

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

QHD1751
A45
Copy 4

SE

REPORTS

AGRICULTURE • ECONOMICS
from USDA's Economics Agencies Summer 1990



CURRENT SERIAL RECORDS
ACQ. / SERIALS BRANCH

AUG 10 '92

USDA
NATL. ARCH. LIBRARY

Background for New Farm Legislation

Basic Mechanisms of U.S. Farm Policy

For Novices and Experts Both — Farm Policy in Plain English

Basic Mechanisms of U.S. Farm Policy demystifies and clarifies farm legislation and the programs spawned by it. It describes in plain English the key concepts of how U.S. farm policy works and takes you step by step through the major programs.

Anybody needing a quick understanding of farm policy will benefit by this report. Farmers, food processors, exporters, importers, Congress and congressional staffs, lobbyists, trade association employees, and students from high school to graduate school are just some of the groups who can benefit. Even farm policy consultants will want to order multiple copies to help show their clients what it's all about.

The volume is separated into three, easy-to-follow sections. Part one covers target prices, loans, and deficiency payments, and how they work. Part two deals with deficiency payments, certificates, and PIK & Roll. Part three looks at export enhancement, FOR, marketing loans, disaster payments, and the CRP. All for only \$6.50 per copy (or for 50 copies or more, just \$4.90 per copy!). February 1990. 84 pp. Order # MP-1479.

Also of interest: *The Basic Mechanisms of Japanese Farm Policy*, by William T. Coyle and William J. Hudson. 40 pp. February 1990. Examines Japanese rice price supports and beef import restrictions, two features of Japanese farm policy that especially impinge on American interests. Order # MP-1478. \$5.50.

Commodity Background Papers

Congress will soon consider new farm legislation to replace the expiring Food Security Act of 1985. The following series of background papers summarize in a nontechnical form the experience with various farm programs and the key characteristics of the commodities and the farm industries which produce them.

New Releases

Dairy: Background for 1990 Farm Legislation, by Richard F. Fallert, Don P. Blayney, and James J. Miller. 74 pp. March 1990.

Order # AGES 9020. \$11.00.

Soybeans and Peanuts: Background for 1990 Farm Legislation, by Brad Crowder, Cecil W. Davison, James D. Schaub, and Bruce Wendland. 66 pp. March 1990.

Order # AIB-592. \$11.00.

Fibers: Background for 1990 Farm Legislation, by Harold Stults and others. 89 pp. March 1990.

Order # AIB-591. \$11.00.

U.S. Feed Grains: Background for 1990 Farm Legislation, by Linwood Hoffman, Mark Ash, William Lin, and Stephanie Mercier. 230 pp. May 1990.

Order # AIB-604. \$14.00.

Still Available

Sugar: Background for 1990 Farm Legislation, by Robert Barry. 96 pp. February 1990.

Order # AGES 9006. \$11.00.

Wheat: Background for 1990 Farm Legislation, by Joy L. Harwood and C. Edwin Young. 88 pp. October 1989.

Order # AGES 89-56. \$8.00.

Tobacco: Background for 1990 Farm Legislation, by Verner N. Grise. 68 pp. October 1989.

Order # AGES 89-48. \$8.00.

Rice: Background for 1990 Farm Legislation, by Nathan W. Childs and Bill Lin. 84 pp. November 1989.

Order # AGES 89-49. \$8.00.

Honey: Background for 1990 Farm Legislation, by Frederic L. Hoff and Jane K. Phillips. 42 pp. September 1989.

Order # AGES 89-43. \$5.50.



Food Consumption, Prices, and Expenditures, 1967-88, by Judith Jones Putnam. 144 pp. May 1990.

Presents historical data on food consumption, prices, and expenditures, and U.S. income and population. A retail price-weighted quantity index put the 1988 per capita food supply up 10 percent from 1967, as consumption of crop-derived foods outpaced consumption of foods from animal products.

Order # SB-804. \$11.00.

Food Costs...From Farm to Retail, by Denis Dunham. 12 pp. March 1990.

Reports how much food costs are changing and why, and how much of the consumer food dollar goes to the farm and how much to food processors and marketers.

Order # AIB-593. \$4.00.

The Food Marketing System in 1989, by Anthony E. Gallo. 16 pp. May 1990.

Analyzes and assesses yearly developments in the industry growth, performance, and structure of the institutions—food processors, wholesalers, retailers, and food-service firms—which make up the Nation's food marketing system. Conditions for the food marketing system generally improved in 1989, while sales in the system rose 7 percent to an estimated \$685 billion.

Order # AIB-603. \$4.00.

Foreign Ownership of U.S. Agricultural Land Through December 31, 1989, by J. Peter DeBraal. 60 pp. April 1990.

This annual report to the President and Congress finds that foreigners owned 12.9 million acres of U.S. agricultural land as of December 31, 1989. This was slightly less than 1 percent of all privately held agricultural land, or 0.6 percent of all land in the United States.

Order # AGES 9026. \$8.00.

Foreign Ownership of U.S. Agricultural Land Through December 31, 1989: County Level Data, by Gertrude S. Butler and J. Peter DeBraal. 132 pp. May 1990.

Presents foreign investment data for each of the 3,041 U.S. counties. A supplement to *Foreign Ownership of U.S. Agricultural Land Through December 31, 1989*, above.

Order # AGES 9038. \$11.00.

Who we are

This catalog lists recent monographs and periodicals available from USDA's economics agencies. The **Economic Research Service** issues outlook and situation reports and periodicals which analyze the current situation and forecast market conditions, as well as monographs covering trade, production, rural development, farm inputs, and other topics. **National Agricultural Statistics Service (NASS)** reports estimate production, stocks, inventories, disposition, utilization, and prices of agricultural commodities, and such other items as labor and farm numbers. The **World Agricultural Outlook Board (WAOB)** issues regular forecasts of U.S. and world supply and demand prospects for major agricultural commodities.

To subscribe to *Reports*, please check the order form on page 11.

1990 Agricultural Chartbook

More than 300 charts cover a wide range of subjects, ranging from U.S. exports to foreign farm output, broilers to vegetables, food prices to consumption trends, farm income to farm productivity, and rural employment to rural poverty. The chartbook also includes a section on 1990 testimony by the Assistant Secretary of Agriculture to Congress.

A detailed index makes the chartbook easy to use and includes names and phone numbers of specialists to contact for more information. The charts are printed in black and white and can be easily reproduced for use as a teaching tool or visual aid to speeches or reports.

1990 Agricultural Chartbook. 120 pp. April 1990.

Order # AH-689. \$11.00.



New Global Commodity Reports

The following reports describe global commodity markets and policies, evaluate the consequences of Government intervention in agricultural markets, and discuss the implications of global policy reform. The reports are trade-focused companion volumes to the series of commodity background papers described on page 2.

The World Coarse Grain Market—Government Intervention and Multilateral Policy Reform, by Bengt Hyberg, Stephanie Mercier, and Linwood A. Hoffman. 101 pp. February 1990. Order # AGES 9017. \$11.00.

The World Pork Market—Government Intervention and Multilateral Policy Reform, by Shayle D. Shagam. 66 pp. April 1990. Order # AGES 9025. \$11.00.

The World Poultry Market—Government Intervention and Multilateral Policy Reform, by Robert V. Bishop, Lee A. Christensen, Stephanie Mercier, and Larry Witucki. 52 pp. March 1990. Order # AGES 9019. \$11.00.

The World Wheat Market—Government Intervention and Multilateral Policy Reform, by Joy L. Harwood and Kenneth W. Bailey. 113 pp. January 1990. Order # AGES 9007. \$11.00.

The World Tobacco Market—Government Intervention and Multilateral Policy Reform, by Verner N. Grise. 64 pp. February 1990. Order # AGES 9014. \$11.00.

World Oilseed Markets—Government Intervention and Multilateral Policy Reform, by Thomas W. Bickerton and Joseph W. Glauber. 82 pp. March 1990. Order # AGES 9021. \$11.00.

High-Value Products: Growing U.S. and EC Competition in World Markets, by Ruth Elleson. 34 pp. April 1990.

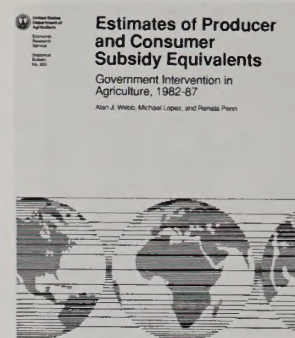
Compares U.S. and EC export shares during 1970-87, showing that the EC, the world's leading exporter of high-value products, has successfully competed against the United States for a number of leading processed products including dairy products, meat, and flour. Order # AGES 9022. \$8.00.

GATT Trade Liberalization: The U.S. Proposal. 12 pp. March 1990.

After 3-1/2 years, GATT's Uruguay Round is moving into its final stages. The United States and several other nations have presented separate proposals for comprehensive agricultural trade reform. This report looks at the U.S. proposal, which if implemented would raise world market prices, lower taxpayer costs, and in some key countries, significantly lower consumer prices. Order # AIB-596. \$4.00.

How Level is the Playing Field? An Economic Analysis of Agricultural Policy Reforms in Industrial Market Economies, by Vernon Roningen and Praveen Dixit. 39 pp. December 1989.

Focuses on 1) how levels of assistance to agriculture compare across countries and commodity markets; 2) how assistance to agriculture in industrial market economies distorted world production and trade, and which countries have contributed most to these distortions; and 3) who would benefit from the elimination of assistance to agriculture in industrial market economies. Order # FAER-239. \$5.50.

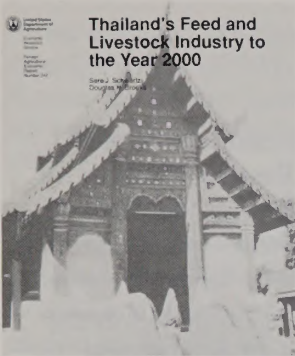


Estimates of Producer and Consumer Subsidy Equivalents: Government Intervention in Agriculture, 1982-87, by Alan J. Webb, Michael Lopez, and Renata Penn. 368 pp. April 1990.

Reports estimates of producer and consumer subsidy equivalents for more than 40 agricultural commodities and products in 27 countries and the European Community. These estimates are measures of the subsidies or taxes on producers or consumers implied by government food and agricultural policies. Order # SB-803. \$14.00.

The Links Between Development and World Trade, by Thomas Vollrath. 12 pp. February 1990.

Determines which countries will be strong competitors or trade partners of the United States. Gives formulas for determining competitive advantages and disadvantages, and depicts in charts the mostly complementary relationships between the United States and 12 nations of Asia, Near East, and North Africa. Order # TB-1774. \$4.00.



Thailand's Feed and Livestock Industry to the Year 2000, by Sara J. Schwartz and Douglas H. Brooks. 84 pp. March 1990.

Projects rice and poultry exports to the year 2000 under three scenarios of per capita income growth. If Thailand's income keeps growing moderately, demand for livestock products should increase. If that happens, much of Thailand's production of coarse grains (particularly corn), which is now exported, will go into domestic use, and imports of oilseeds or oilseed meal will expand, creating opportunities for U.S. exports.
Order # FAER-242. \$11.00.

The Export Enhancement Program: How Has It Affected Wheat Exports? by Ann Hillberg Seitzinger and Philip L. Paarlberg. 12 pp. December 1989.

Finds that the Export Enhancement Program raised U.S. wheat export volume, prices, and gross export revenues.
Order # AIB-575. \$3.00.

Government Intervention in Pakistan's Agricultural Economy, by Gary Ender. 28 pages. April 1990.

Uses producer and consumer subsidy equivalents to examine the nature of the Pakistani Government's policy interventions in the agricultural sector. In examining cotton, wheat, basmati rice, and coarse rice, the report outlines the Government's position toward the Uruguay Round negotiations under GATT and possible changes in Pakistan's policies if trade were liberalized.
Order # AGES 9027. \$8.00.

Economywide Implications of Agricultural Liberalization in the United States, by Maureen Kilkenny and Sherman Robinson. 16 pp. January 1990.

Uses a 10-sector computable general equilibrium model to show how unilateral and multilateral changes in agricultural policy will affect the overall economy.
Order # AGES 9008. \$4.00.

Exporting Processed Instead of Raw Agricultural Products, by Gerald Schluter and William Edmondson. 20 pp. November 1989.

Examines the national output, income, and employment effects for selected raw commodity/processed commodity combinations and studies the implications of these national level effects for a policy of export subsidization.
Order # AGES 89-58.\$5.50.

Subsidy Equivalents: Yardsticks of Government Intervention in Agriculture for the GATT, by Carl Mabbs-Zeno and Arthur Dommen. 9 pp. January 1989.

Discusses aggregate measures of support, such as producer and consumer subsidy equivalents, which may help trade negotiators attain common ground for reducing barriers to international trade.
Order # AIB-558. \$3.00.

Exchange Rates and U.S. Agricultural Trade, by Mathew D. Shane. 12 pp. January 1990.

Exchange rates are now the single most important variable in determining the economic environment for agricultural trade, accounting for more than 25 percent of the rebound in U.S. farm exports since 1985.
Order # AIB-585. \$4.00.

Resource Policy Subsidies and the GATT Negotiations, by John D. Sutton. 19 pp. August 1989.

Looks at explicit and implicit producer subsidies for specific policies of major trading countries. Policies such as below-market-price irrigation water and conservation acreage retirement, when used as subsidies, can affect production and trade.
Order # AER-616. \$5.50.

Competitiveness and Protection in World Agriculture, by Thomas L. Vollrath. 12 pp. July 1989.

Explores what agricultural competitiveness means by using three different measures: market share, relative export advantage, and revealed competitiveness.
Order # AIB-567. \$3.00.

GATT & Agriculture: The Concepts of PSE's and CSE's. 23 pp. April 1989. Two measures of government intervention in agriculture—production subsidy equivalents and consumer subsidy equivalents—are explained in this illustrated booklet. These PSE and CSE measures can be used by trade negotiators to summarize into one percentage number the level of each country's intervention in the agricultural sector. The booklet demonstrates step-by-step how a single percentage can be calculated to determine how much each country subsidizes its agriculture, so that the thousands of country policies can be compared more fairly.
Order # MP-1468. \$8.00.

World Food Security: The Effect of U.S. Farm Policy, by Mark E. Smith. 8 pp. April 1990.

Defines U.S. world food security and looks at how U.S. domestic farm policies affect it. Domestic farm policies may play a greater role in world food security than do our overseas food aid programs.
Order # AIB-600. \$4.00.

Banking and Rural Finances

An Analysis of the Recent Surge in Consumer Debt in Rural Areas, by Donald L. Lerman. 40 pp. April 1990.

Examines several elements of the recent surge in consumer debt of households residing in rural areas using household level survey data, compares rural and urban borrowing habits, and describes other recent debt trends. Growth in aggregate debt in rural areas during 1983-86 outpaced that of the Nation.

Order # AGES 9030. \$8.00.

Deregulation and the Structure of Rural Financial Markets, by Daniel L. Milkove and Patrick J. Sullivan. 50 pp. February 1990.

Examines the structure of rural bank markets, determines how this structure has changed during the 1980's, and discusses probable scenarios for the future of the rural banking system. Rapid geographic deregulation of the financial services industry will probably continue, but the ultimate effect of bank deregulation on rural financial markets remains uncertain.

Order # RDRR-75. \$11.00.

Prospective Rural Effects of Bank Deregulation, by Stephen W. Hiemstra. 56 pp. March 1990.

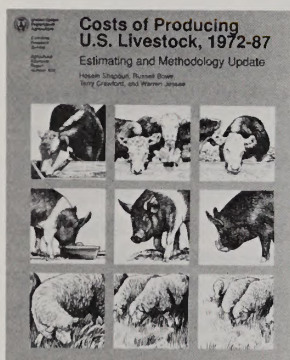
Focuses on rural implications of the expansion of commercial banks into investment banking and addresses what provisions were in the proposed legislation, what will be the general effects of bank product deregulation, and how these proposals have affected rural issuers, banks, and economic growth.

Order # RDRR-76. \$11.00.

An Examination of Federal Reserve Behavior: An Applied Reaction Function Approach, by Paul A. Sundell. 36 pp. April 1990.

Investigates the factors that have influenced Federal Reserve policy and ultimately the level of interest rates. Also develops a partial adjustment model for the Federal funds rate and documents improved forecasting performance compared with competing models on an in-sample and out-of-sample basis.

Order # AGES 9029. \$8.00.



Costs of Producing U.S. Livestock, 1972-87: Estimating and Methodology Update, by Hosein Shapouri, Russell Bowe, Terry Crawford, and Warren Jessee. 98 pp. April 1990.

Presents a way to make a consistent set of cost-and-returns estimates for U.S. livestock production in 1972-87, a period in which there were data gaps and in which many estimating methods

and formats were used. Containing 45 tables that compare costs of producing beef, hogs, and sheep by region and size of operation, the report tracks changes in the cost structure of the livestock industry and analyzes producer responses to costs.

Order # AER-632. \$11.00.

Federal Marketing Orders for Fruits, Vegetables, Nuts, and Specialty Crops, by Nicholas J. Powers. 34 pp. March 1990.

Explains why there is a Federal marketing order for horticultural crops, its development and operation, and its effect on market participants. Also identifies changes in the number, type, and industry structure of crops with orders.

Order # AER-629. \$8.00.

Data for Food Demand Analysis: Availability, Characteristics, Options, by Alden C. Manchester. 48 pp. April 1990.

Discusses the availability, characteristics, and derivation of time series for food consumption, food prices, food expenditures, and income for use in food demand analysis. It also shows how new series, which will provide consistent measures of quantity and price, can be constructed from available data.

Order # AER-613. \$8.00.

Food Spending in American Households, 1980-86, by David M. Smallwood. 108 pp. March 1990.

Shows trends in household food expenditures for major food groups by selected demographic factors for 1980-86, and tabulations for 133 food categories by 10 household socioeconomic characteristics for 1985 and 1986. Average weekly spending in urban households increased from \$18.84 per person in 1980 to \$23.92 in 1986.

Order # SB-791. \$11.00.

The data in this report are also available on diskette.

See "Food Spending in American Households," # 90005, on page 13 of this catalog.

Farms and Land in Farms: Final Estimates, 1979-87.

National Agricultural Statistics Service. 8 pp. August 1989.

Presents State and national estimates of total number of farms and land in farms for 1979-87, and presents national estimates by sales class of farms and land.

Order # SB-792. \$4.00.

Field Crops: Final Estimates, 1982-87.

National Agricultural Statistics Service. 84 pp. December 1989.

Presents final acreage, yield, and production estimates for most U.S. field crops by State for 1983-87.

Order # SB-793. \$11.00.

Stocks of Grains, Oilseeds, and Hay: Final Estimates, 1983-88. National Agricultural Statistics Service. 72 pp. December 1989.

Presents final estimates of stocks of U.S. grains, oilseeds, and hay during 1983-88.

Order # SB-794. \$11.00.

Rice Stocks: Final Estimates, 1978-88. National Agricultural Statistics Service. 32 pp. December 1989.

Presents final 1978-88 estimates of rice stocks on and off farms for the six major producing States—Arkansas, California, Louisiana, Mississippi, Missouri, and Texas.

Order # SB-795. \$8.00.

Citrus Fruits: Final Estimates, 1981-82 Crop Through 1986-87 Crop.

National Agricultural Statistics Service. 24 pp. September 1989.

Presents estimates by State of the production, use, and value of citrus fruits for the crop seasons 1981-82 through 1986-87. Estimates have been revised where necessary by reviewing marketing agreement records, recorded truck and rail movement, quantities inspected, quantities used by processors, and the 1987 Census of Agriculture.

Order # SB-796. \$8.00.

Hogs and Pigs: Final Estimates, 1983-87.

National Agricultural Statistics Service. 32 pp. December 1989.

Presents final hog and pig estimates, including some revisions made by the Agricultural Statistics Board for the period 1983-87. Includes annual and quarterly estimates for inventory, sows farrowed, pig crops, number of operations with hogs, value of the inventory on December 1, and percentage estimates of inventory and operations by size groups for those years.

Order # SB-797. \$8.00.

Cattle: Final Estimates, 1984-88. National Agricultural Statistics Service. 68 pp. January 1990.

Contains final cattle estimates, including some revisions, for 1984-88. Data covered include annual and semi-annual inventory estimates by classes, value of the inventory on January 1, annual calf crop and number of operations, and percentage estimates of operation and inventory by size groups.

Order # SB-798. \$11.00.

Potatoes and Sweetpotatoes: Final Estimates, 1982-87. National Agricultural Statistics Service. 42 pp. February 1990.

Contains final potato and sweetpotato data on acreage, yield, production, disposition, price, value, stocks, and utilization for 1982-87.

Order # SB-799. \$8.00.

Sheep and Goats: Final Estimates, 1984-88.

National Agricultural Statistics Service. 25 pp. January 1990.

Presents final sheep and goat estimates including some revisions, for 1984-88. Data cover estimates for the inventory of sheep and goats as of January 1, as well as annual wool and mohair production.

Order # SB-800. \$8.00.

Chickens and Eggs: Final Estimates, 1984-87.

National Agricultural Statistics Service. 73 pp. December 1989.

Presents final chicken and egg production estimates, including monthly and quarterly layer numbers, rate of lay, and chicken inventory and value on December 1.

Order # SB-801. \$11.00.

Milk: Final Estimates, 1983-87. National Agricultural Statistics Service. 64 pp. February 1990.

Contains final milk production estimates for 1983-87, including monthly estimates of milk cows, production per cow, total milk production, number of operations with milk cows, disposition, and income.

Order # SB-802. \$11.00.

Meat Animals, Production, Disposition, and Income: Final Estimates, 1983-87.

National Agricultural Statistics Service. 37 pp. April 1990.

Presents final estimates for farm production, disposition, and income from meat animals for 1983-87. Some estimates are slightly revised from preliminary estimates.

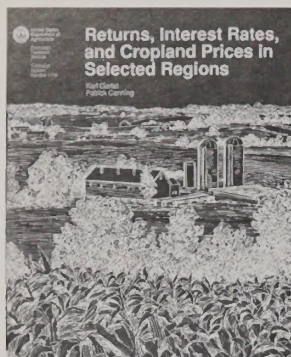
Order # SB-805. \$8.00.

Poultry Production and Value: Final Estimates, 1984-87. National Agricultural Statistics Service. 25 pp. April 1990.

Presents final estimates for production and value from chickens, eggs, broilers, and turkeys for 1984-87.

Order # SB-806. \$8.00.

More New Monographs



Returns, Interest Rates, and Cropland Prices in Selected Regions, by Karl Gertel and Patrick Canning. 18 pp. April 1990.

Examines how returns to land and real interest rates on farm mortgages affect farmland prices in the Corn Belt, selected winter wheat-growing areas of Kansas, and soybean- and cotton-growing areas of the Mississippi Delta. Since 1972, returns to land and real interest rates were about equally important in determining farmland prices.
Order # TB-1778. \$4.00.

Federal Marketing Orders for Horticultural Crops, by Nicholas J. Powers. 16 pp. March 1990.

Describes the purpose of Federal marketing orders and their effects on growers, marketers, input suppliers, food processors, and consumers. Many Federal marketing orders have regulations for funding promotion and research and for establishing package, container, grade, and size requirements.
Order # AIB-590. \$4.00.

Effects of Government Programs on Rice Production Costs and Returns, 1988, by Michael Salassi, Mary Ahearn, Mir Ali, and Robert Dismukes. 12 pages. March 1990.

This analysis, the first of its kind to show direct effects of Government programs, finds gross returns, production costs, and net returns to be higher when Government payments are included in the costs/returns calculations.
Order # AIB-597. \$4.00.

Program Provisions for Program Crops: A Database for 1961-90, by Robert C. Green. 113 pp. March 1990.

Looks at legislation which provided the foundation for commodity support programs and highlights legislation which revised and supplemented the basic structure of these programs. Also reviews program provisions for 1961-90 crops of corn, sorghum, barley, oats, wheat, rice, upland cotton, and extra-long staple cotton.
Order # AGES 9010. \$11.00.

Jobs and Earnings in Nonmetro Industry, 1987, by Linda M. Ghelfi and T. Alexander Majchrowicz. 12 pp. February 1990.

Nonmetro job growth accelerated, and real earnings grew but more slowly in 1987 than in 1982-86. Growth in nonmetro jobs and earnings still lagged behind metro levels but by a smaller margin.
Order # AIB-589. \$4.00.

Rural-Urban Continuum Codes for Metro and Nonmetro Counties, by Margaret A. Butler. 38 pp. April 1990.

Provides a one-digit code for each of 10 classifications for all U.S. counties. The classifications describe a county by degree of urbanization and nearness to a metro area. These codes allow researchers to break county data into finer residential groups than the standard metro-nonmetro classification of the Bureau of the Census.
Order # AGES 9028. \$8.00.

The data in this report are also available on diskette. See "Rural-Urban Continuum Codes," # 89021, on page 13 of this catalog.

Aspects of Farm Finances: Distribution of Income, Family Income, and Direct Payments, 1986, by Robert D. Reinsel and David Banker. 28 pp. April 1990.

Cross-classifies 1986 Farm Costs and Returns Survey data to more clearly show the diverse nature of farms and their greatly varying financial conditions. Finds that income is concentrated on large farms, but losses tend to be distributed over many small farms.
Order # AER-630. \$8.00.

Estimating Farm Labor Elasticities To Analyze The Effects Of Immigration Reform, by James A. Duffield. 20 pp. February 1990.

Uses a simultaneous equation model to measure the effect of the Immigration Reform and Control Act (IRCA) of 1986 on the U.S. farm labor market. If the labor supply is restricted by the IRCA, the real wage rate is not expected to rise significantly because farm employers may switch to labor-saving technology or move to less labor-intensive crops to avoid paying higher wages.
Order # AGES 9013. \$8.00.

The U.S. Watermelon Industry, by Amy J. Allred and Gary Lucier. 73 pp. March 1990.

Reviews supply and utilization trends, prices, transportation, packaging, marketing, cash receipts, and costs of producing watermelons. Watermelon production and use declined during 1960-80. Recent evidence, however, indicates that aggregate production and use have expanded since then.
Order # AGES 9015. \$11.00.
The data in this report are also available on diskette. See "The U.S. Watermelon Industry," # 89029, on page 13 of this catalog.

Economic and Technical Adjustments in Irrigation Due to Declining Ground Water, by William Crosswhite, Clif Dickason, and Robert Pfeiffer. 35 pp. February 1990.

Examines changes that irrigators are likely to make as the cost of water rises because of increasing pumping lift and declining well yields in ground-water areas. Crop mix may be altered as water becomes increasingly costly to pump, and farmers may ultimately revert to rainfed or dryland farming.

Order # AGES 9018. \$8.00.

The Specification, Estimation, and Simulation of a Small Global Macroeconomic Model, by James R. Malley. 24 pp. March 1990.

Describes the structure and simulation properties of a small global macroeconomic model (SGM). Simulation experiments comparing SGM results with those of other world models suggest that SGM is a viable tool for macroeconomic policy analysis.

Order # AGES 9011. \$8.00.

U.S. Agricultural Trade with the Developed Pacific Rim, 1968-88, by Wilma Davis, Carol Goodloe, and Amjad Gill. 80 pp. May 1990.

This statistical compendium presents data on U.S. agricultural exports and imports with the developed Pacific Rim countries. Includes export and import data by quantity and value for both fiscal and calendar years.

Order # AGES 9035. \$11.00.

Measuring the Effectiveness of the Export Enhancement Program for Poultry, by Stephen L. Haley. 23 pp. March 1990.

Examines the economic effects of the Export Enhancement Program (EEP) for poultry meat for 1987. The EEP generated an additional 79,000 metric tons of poultry exports in 1987. This expansion, however, came at a relatively high cost in subsidies. U.S. producers also gained only marginally and consumers paid more for poultry.

Order # AGES 9016. \$8.00.

The Effects of the Common Agricultural Policy on the European Community Wheat-Washing Industry and Grain Trade, by Dale J. Leuck. 26 pp. April 1990.

The EC wheat-washing industry, which separates wheat flour into wheat gluten and wheat starch, increased output from 360,000 tons to 1 million tons in 1985, reducing the need for EC imports of wheat and corn. The expansion was encouraged in part by the EC's variable levy system, which insulates EC grain prices from world prices.

Order # AGES 9023. \$8.00.

A Historical Look at Farm Income, by Cheryl D. Johnson. 27 pp. May 1990.

Presents the national farm income statistics, dating back to 1910.

Order # SB-807. \$8.00.

World Population by Country and Region, 1950-2050, by Francis Urban and Michael Trueblood. 76 pp. April 1990.

Contains estimates of world population from 1950 to the late 1980's, depending on the latest country census, and projections to 2050. Also shows annual rates of population growth for each country and region. According to the projections, world population will expand from an estimated 5.3 billion in 1990 to 6.3 billion in the year 2000, and to 10.7 billion in the year 2050.

Order # AGES 9024. \$11.00.

Farm Operating and Financial Characteristics, 1987, by Mitchell J. Morehart. 168 pp. April 1990.

Presents an assortment of farm economic data along with statistical measures of precision for calendar year 1987, including tables on farms and land in farms, crop acreage and production, farm labor, operating expenses, income, assets, debt, and capital investments.

Order # AGES 9032. \$14.00.

Trends in Ownership Transfers of Rural Land, by Gene Wunderlich. 8 pp. May 1990.

Presents findings of a 1988 survey of rural land transfers to determine rate of change of rural real estate ownership. Finds that about 5.7 percent of parcels, or 3.5 percent of the acreage of rural land, changed ownership in 1988.

Order # AIB-601. \$4.00

Agricultural Export Programs: Background for 1990 Farm Legislation, by Karen Z. Ackerman and Mark E. Smith. 66 pp. May 1990.

Summarizes the major export programs since World War II; defines the objectives, operations, and costs of the major export programs currently operating and the commodities and countries affected; and defines issues related to the effectiveness of export programs and the programs' roles in increasing U.S. agricultural exports.

Order # AGES 9033. \$11.00.

Price Transmission Elasticities in the Trade Liberalization (TLIB) Database, by John Sullivan. 22 pp. April 1990.

Documents the price transmission elasticities available in the Trade Liberalization (TLIB) database used by the Economic Research Service. The database was constructed using the static world policy simulation (SWOPSIM) framework.

Order # AGES 9034. \$8.00.

Alternative Opportunities in Agriculture: Expanding Output Through Diversification. Michael R. Dicks and Katharine C. Buckley, eds. 20 pp. May 1990.

Finds that developing new crops or products could raise farm income and reduce government subsidies, the trade deficit, and potentially adverse environmental effects of farm production.

Order # AER-633. \$8.00.

Major Statistical Series of the U.S. Department of Agriculture

Now available from ERS-NASS: the 12-volume set of *Major Statistical Series of the U.S. Department of Agriculture*, all for the low price of \$25. Each volume describes the concepts and data underlying a specific USDA statistical series. Ask for order #AH-671-MSS. Titles in the series:

Agricultural Prices. Vol. 1. 32 pp. Describes NASS procedures for estimating prices and the related price indexes and outlines concepts underlying parity price calculations and the parity ratio. Methods used for the Farm Costs and Returns Survey are described, as well as preparation of the farm employment and wage rate series.

Agricultural Production and Efficiency. Vol. 2. 44 pp. Describes how statistics on production inputs and outputs, and productivity (output per unit of input) are constructed for the U.S. Department of Agriculture. USDA is improving its productivity indexes by introducing a Tornqvist national multifactor productivity index.

Farm Income. Vol. 3. 45 pp. Describes how the net farm income, net cash income, net business income, total cash income of farm operator households, net cash flow, and production transaction statistical series are constructed and used. It identifies concepts, data sources, estimation procedures, limitations, and potential modifications for the individual income accounts that are used to construct the net income series.

Agricultural Marketing Costs and Charges. Vol. 4. 35 pp. Describes how the market basket, marketing bill, and food marketing cost index are constructed and used to analyze changes in food prices and expenditures. It identifies sources of current and historical data on food marketing costs and charges.

Consumption and Utilization of Agricultural Products. Vol. 5. 44 pp. Describes how annual series on per capita food consumption, the index of per capita food consumption, and annual series on total food expenditures are constructed and used for analytical and comparative purposes.

Land Values and Land Use. Vol. 6. 19 pp. Describes how the statistical series on land values and acreages of land in the United States are constructed and used. Also identifies sources of current and historical data and information used in constructing the series.

Crop and Livestock Estimates. Vol. 7. 28 pp. Describes the content of the crop and livestock estimating program. Methods used for each data series are explained in detail. Timing and precision of data series are also discussed.



Farmer Cooperatives. Vol. 8. 16 pp. Describes the content, scope, and construction of statistics published by the Agricultural Cooperative Service. It includes information on changes in content and scope since the beginning of the series. It outlines statistical procedures and limitations of the series and lists available publications.

Market News. Vol. 9. 44 pp. The U.S. Department of Agriculture's Agricultural Marketing Service administers the Federal-State Market News Service, a program that provides a wide variety of information on current market conditions to the Nation's agricultural industry. This volume describes the operation of the service, including the development of the various Market News reports.

International Agricultural Statistics. Vol. 10. 21 pp. Describes statistical data and time series dealing with foreign agricultural trade of the United States published by the Agriculture and Trade Analysis Division and the Commodity Economics Division of the Economic

Research Service and by the Foreign Agricultural Service. Also describes data on production, consumption, and trade for a wide selection of countries and commodities.

The Balance Sheet. Vol. 11. 20 pp. The U.S. Department of Agriculture's Economic Research Service publishes an agricultural balance sheet in the *Economic Indicators of the Farm Sector: National Financial Summary* each fall. This report looks at how ERS constructs estimates of farm household and farm business statistics.

Costs of Production. Vol. 12. 15 pp. Describes the estimation procedures and the data sources for making the estimates of annual costs of production for major crops and livestock enterprises. Survey data, the main sources for these estimates, are compiled into a computerized budget generator to estimate enterprise budgets at regional and national levels.

Other periodicals on other side

[illegible]

Prices good through 12/90

Please complete both sides of this order form

Order monographs and electronic products on other side

[illegible]

- | | |
|---|--|
| Periodical subtotal | |
| Monograph subtotal (from other side) | |
| Add 25 % for shipment to foreign addresses
(includes Canada) | |
| Order total | |

10

Reports

Electronic Data and Video Products

ERS has developed a series of computerized data products covering important elements of today's agribusiness here and abroad. Data products are shipped on 5.25", DSDD, DOS-compatible diskettes, or on unlabeled, 9-track, 6250 b.p.i. magnetic tapes, as appropriate. For more information on a new data product, call the contact name listed with each description. Use the order form on page 11, or call the ERS-NASS order desk at 1-800-999-6779.

New Releases

Food Spending in American Households, 1980-86. Detailed data on household food expenditures by major food groups and by household demographic characteristics. Also includes data on food price trends and percent of households purchasing selected food items in a week. David Smallwood, 202-786-1864. [Lotus 1-2-3 (Release 2), four 5.25" disks], (2/90).

Order # 90005 \$55

Price Spreads for Beef and Pork. Monthly data, 1970-89, on farm-to-retail price spreads for beef and pork. Also includes farm-to-car-cass and carcass-to-retail spreads and retail prices. Lawrence Duerwer, 202-786-1712. [Lotus 1-2-3 (Release 2), one 5.25" disk], (2/90).

Order # 90006 \$25

U.S./Pacific Rim Agricultural Trade. Annual data, 1968-88, for U.S. agricultural exports to and imports from Japan, Taiwan, South Korea, Hong Kong, Australia, New Zealand, and Canada. Data cover quantity and value for trade in major commodity groups and sub-groups. Fiscal year and calendar year data are included. Carol Goodloe, 202-786-1610. [Lotus 1-2-3 (Release 2), three 5.25" disks], (3/90).

Order # 90007 \$45

U.S. Monthly Cash Receipts, 1960-87. Monthly cash receipts data for 12 major commodity groups plus totals for crops, live-stock and products, and all commodities. Bob Williams, 202-786-1804. [Lotus 1-2-3 (Release 2), one 5.25" disk], (3/90).

Order # 90008 \$25

Still Available

The U.S. Watermelon Industry. Includes time series data on U.S. and State acreage, yield, production, prices, and value; per capita consumption; U.S. trade; world production and trade. Gary Lucier, 202-786-1884. [Lotus 1-2-3 (Release 2), two 5.25" disks], (8/89).

Order # 89029 \$35

Rural-Urban Continuum Codes. Classification of U.S. counties into 10 types based on urban/rural population characteristics and location with respect to metropolitan areas. Margaret Butler, 202-786-1534, [ASCII, one 5.25" disk], (4/89).

Order # 89021 \$25

ERS-NASS Video Tapes



ERS: Economic Research for American Agriculture. A historical account of the role of economic research in the success of American agriculture. 16-1/2 minutes. Order # VT001. \$15.00.

Today and Tomorrow. The U.S. Department of Agriculture's Outlook program analyzes the current situation for U.S. and world crops, and provides a forecast of future supplies and prices. "Today and Tomorrow" is an overview of the USDA Outlook program from its beginning in the 1920's to the current comprehensive program of research and analysis. 23 minutes. Order # VT002. \$15.00.

The Need to Know. Begins with a futuristic "what if?" opening, and then proceeds to outline the history, significance, and contributions of agricultural statistics and USDA's National Agricultural Statistics Service. 23 minutes. Order # VT003. \$15.00.

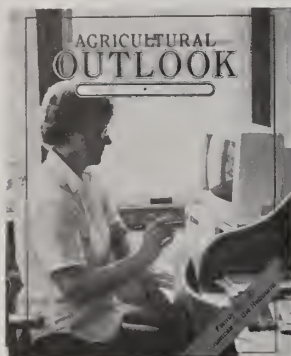
Your Hometown. "Your Hometown" is an informative and entertaining look at smalltown rural America. Originally seen on public television stations nationwide, and narrated by James Whitmore, the program focuses on three rural communities where citizens use innovative thinking and teamwork to revitalize their own towns. 1 hour. Order # VT004. \$15.00.

Alternative Agriculture: Growing Concerns. Can U.S. farmers produce at a profit while practicing low-input, sustainable agriculture (LISA)? "Growing Concerns" investigates the benefits and drawbacks of LISA. An excellent overview, this documentary was originally seen as a five-part series on national television. 19 minutes. Order # VT005. \$15.00.

Ethanol: Economic and Policy Tradeoffs. Reviews the history of ethanol production and the make-up of the current ethanol industry, and investigates how ethanol can contribute to national goals. This educational program establishes an information base for making educated decisions concerning the ethanol industry. 25 minutes. Order # VT006. \$15.00.

ERS Periodicals

These periodicals bring you the latest information on food, the farm, and rural America to help keep your expertise up-to-date. Order these periodicals today to get the latest facts, figures, trends, and issues from the Economic Research Service.



Agricultural Outlook. The main source for USDA's farm income and food price forecasts. Emphasizes the short-term outlook for all major areas of the agricultural economy. Also presents long-term analyses of such issues as U.S. agricultural policy, trade forecasts and export-market development, food safety and the environment, and farm financial institutions. Includes 25 pages of data on individual commodities, the general economy, U.S. farm trade, farm income, production expenses, input use, CCC outlays, prices received and paid by farmers, per capita food consumption, and related issues. 11 issues.

Order # AGO. 1 yr, \$26 2 yrs, \$51 3 yrs, \$75



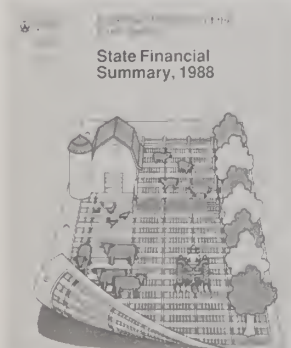
Farmline. Practical, easy-to-understand economic information about U.S. and world agriculture. A popular—not technical—publication, it features many charts, graphs, photos, and data tables to supplement the articles. Focuses on causes and effects of changes and trends in rural America as well as agriculture. 11 issues.

Order # FAR. 1 yr, \$12 2 yrs, \$23 3 yrs, \$33



National Food Review. Analyses and data on food consumption, food prices, export opportunities, product safety, nutrition, marketing, and processing technology for those who manage, monitor, or depend on the Nation's food system. Includes updates on USDA rulings and Federal legislation affecting food. 4 issues.

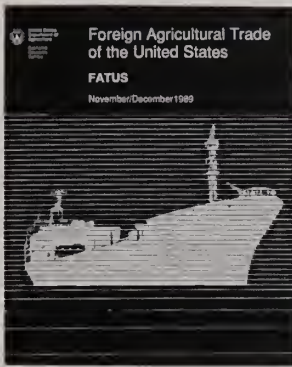
Order # NFR. 1 yr, \$11 2 yrs, \$21 3 yrs, \$30



Economic Indicators of the Farm Sector. Updates economic trends in U.S. agriculture. Explores the economic status of the farm sector and allows the reader to plan and forecast more accurately. Each issue explores a different aspect of the U.S. farm sector: income and expenses, national and State financial summaries, production and efficiency statistics, and costs of production for livestock and dairy and for major field crops. 5 issues.

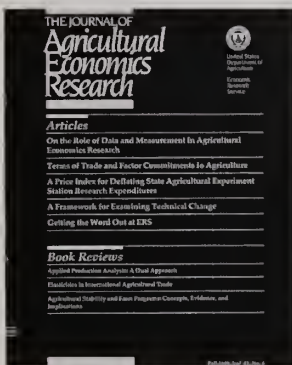
Order # ECI. 1 yr, \$14 2 yrs, \$27 3 yrs, \$39





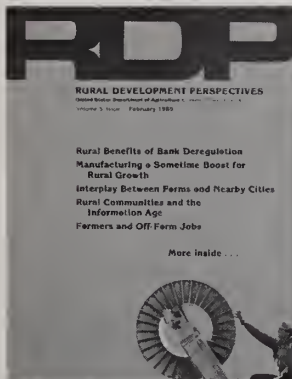
Foreign Agricultural Trade of the United States. Updates the quantity and value of U.S. farm exports and imports, plus price trends. Concise articles analyze specific aspects of the export/import picture. Keeps readers abreast of how U.S. trade stacks up in a global market. 6 issues, plus 2 supplements.

Order # FAT. 1 yr, \$25 2 yrs, \$49 3 yrs, \$72



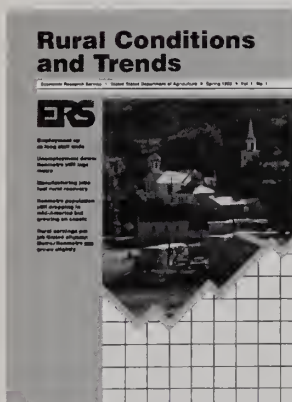
The Journal of Agricultural Economics Research. Technical research in agricultural economics, including econometric models and statistics, focusing on methods employed and results of USDA economic research. Contains original articles and essays and book reviews of the most recent literature available to the discipline. 4 issues.

Order # JAE. 1 yr, \$8 2 yrs, \$15 3 yrs, \$21



Rural Development Perspectives. Crisp, nontechnical articles on the results of new rural research and what those results mean. Shows the practical application of research in rural banking, aging, housing, the nonmetro labor force, poverty, and the effect of farm policies on rural areas. Besides its feature articles, each issue also brings you: Rural Indicators—geographical snapshots of trends affecting rural communities; Short Subjects—brief synopsis of related readings and findings from a wide range of sources, all with a special smalltown slant; and Book Reviews—critical appraisals to keep you abreast of new thinking and theories on rural and smalltown topics. 3 issues.

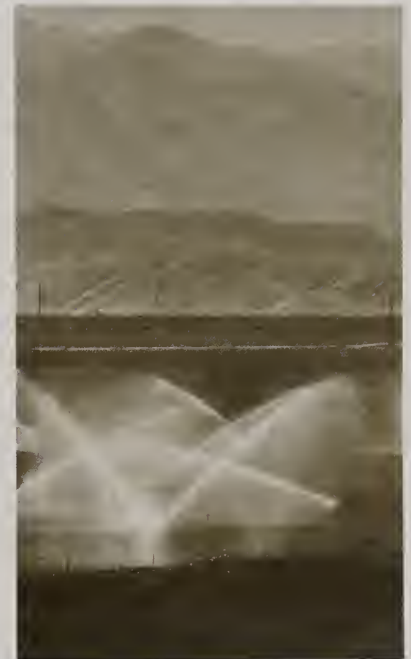
Order # RDP. 1 yr, \$9 2 yrs, \$17 3 yrs, \$24



Rural Conditions and Trends. NEW. Track rural events on a variety of subjects in this new quarterly periodical: macroeconomic conditions, employment and underemployment, industrial structure, earnings and income, poverty, and population. Quick-read text and sharp graphics will help you get the information you need to know efficiently, effectively. Order by August 31 and get a premier subscription rate of just \$12.50 per year. That's \$1.50 off the regular subscription rate. 4 issues.

Order # RCA. 1 yr, \$14 2 yrs, \$27 3 yrs, \$39

**SPECIAL RATE THROUGH AUGUST 31, 1990—
SEE BACK COVER FOR DETAILS**



Situation and Outlook Reports

Monthly updates now available through subscription

The *Livestock and Poultry Update* and *U.S. Agricultural Trade Update*, now available via subscription, provide ERS' most up-to-the-minute data on the livestock-poultry and farm trade sectors. Each month these timely, 6-page updates bring you the most current figures delivered by first-class mail to ensure timely delivery. *The Livestock and Poultry Update* looks at commercial production and slaughter, livestock and meat prices, costs and returns, and livestock and poultry imports and exports, all on a monthly basis. *The U.S. Agricultural Trade Update* covers the monthly farm trade balance, U.S. farm imports and exports by quantity and value, and leading exports and exporters. Each update series costs just \$15 for a 1-year subscription. Or save by ordering a 2-year subscription (that's 24 issues) for \$29, or a 3-year subscription for \$42.

And don't forget the other *Situation and Outlook* reports. These reports provide both current intelligence and historical data on national food and agricultural developments, and forecast the effects of changing conditions and policies on domestic and international agriculture. Among those who rely on *Situation and Outlook* reports are farmers and trade associations, agri-industries and financial institutions, Federal, State, and local governments, news media, food service industries, and research and academic facilities.

These reports offer insight into factors affecting land values, production costs, farm finances, world trade, and energy for **Aquaculture, Cotton and Wool, Dairy, Feed, Fruit and Tree Nuts, Livestock and Poultry, Oil Crops, Rice, Sugar and Sweetener, Tobacco, Vegetables and Specialties, and Wheat.**

Outlook for U.S. Agricultural Exports offers the latest value and volume of U.S. farm exports, by commodity and region, as well as agricultural trade balance, import commodities, and export outlook. **Agricultural Income and Finance** looks at farm income, profitability, government payments, production expenses, debts and assets, and other areas of farm finance. **Agricultural Resources** covers farm inputs, agricultural land values and markets, water, and conservation.

World Agriculture offers production and use data and analyses by commodity and country, along with a review of recent economic conditions and changes in food and trade policies.

The World Agriculture Regional reports describe the situation in the Soviet Union, China, Western Europe, the Middle East, and the Pacific Rim.

Use the order form to order your copies today.

Title & issues per year	Order #	1 yr	2 yrs	3 yrs
Agricultural Exports (4)	AES	\$12	\$23	\$33
Agricultural Income and Finance (4)	AIS	\$12	\$23	\$33
Agricultural Resources(5)	ARS	\$12	\$23	\$33
Aquaculture (2)	AQS	\$12	\$23	\$33
Cotton and Wool (4)	CWS	\$12	\$23	\$33
Dairy (5)	DRS	\$12	\$23	\$33
Feed (4)	FDS	\$12	\$23	\$33
Fruit and Tree Nuts (4)	FTS	\$12	\$23	\$33
Livestock and Poultry (6 plus supplements)	LPS	\$17	\$33	\$48
Livestock and Poultry Update (12)— <i>NEW</i>	LPU	\$15	\$20	\$42
Oil Crops (4)	CS	\$12	\$23	\$33
Rice (3)	RCS	\$12	\$23	\$33
Sugar and Sweetener (4)	SSS	\$12	\$23	\$33
Tobacco (4)	TBS	\$12	\$23	\$33
U.S.Agricultural Trade Update (12)— <i>NEW</i>	FAU	\$15	\$29	\$42
Vegetables and Specialties (3)	VGS	\$12	\$23	\$33
Wheat (4)	WHS	\$12	\$23	\$33
World Agriculture (3)	WAS	\$12	\$23	\$33
World Agriculture Regionals (5)	WRS	\$12	\$23	\$33



The National Agricultural Statistics Service's Agricultural Statistics Board estimates production, stocks, inventories, utilization, and prices of agricultural commodities and other items such as labor and farm numbers. To order your copies, use the order form or call toll free 1-800-999-6779.

Field Crop Series

Crop Production. Lists monthly indicated production by crop, plus three supplements on acreage planted and harvested (June), an annual summary showing acreage, yield, and production data for the previous year and revised for the year before that (January), and prospective plantings as of March 1 (March). 12 issues plus 3 supplements.

Order # PCP. 1 yr, \$30; 2 yrs, \$57; 3 yrs, \$82.

Crop Progress. Lists planting, fruiting, and harvesting progress and overall condition of selected crops in major producing States. Weekly during the growing season, April through November.

Order # PCR. 1 yr, \$25; 2 yrs, \$47; 3 yrs, \$67.

Grain Stocks. Stocks of major grains January, March, June, and September. 4 issues.

Order # PGS. 1 yr, \$11; 2 yrs, \$19; 3 yrs, \$25.



Peanut Stocks and Processing. Stocks end of previous month, plus millings, production, and disappearance of milled products. 12 issues.

Order # PPS. 1 yr, \$14; 2 yrs, \$25; 3 yrs, \$34.

Potato Stocks. Grower, processor, and local dealer storage stocks in fall producing areas, first of the month, by State. 6 issues plus supplement.

Order # PPO. 1 yr, \$14; 2 yrs, \$25; 3 yrs, \$34.

Rice Stocks. Rough and milled rice stocks on and off farms, first of December, March, August, and October by State. 4 issues.

Order # PRS. 1 yr, \$11; 2 yrs, \$19; 3 yrs, \$25.

Hop Stocks. Grower, dealer, and brewer stocks March 1 and September 1 for the United States.

Order # PHS. 1 yr, \$8; 2 yrs, \$13; 3 yrs, \$16.

Fruit and Vegetable Series

Celery. Monthly plantings and area growing in Florida, California, New York, and Michigan. 12 issues.

Order # PCE. 1 yr, \$12; 2 yrs, \$21; 3 yrs, \$28.

Cherry Production. Mid-June production forecast for 1990 crop, Great Lakes States. Annual, June.

Order # MCP. 1 yr, \$5; 2 yrs, \$8; 3 yrs, \$12.

Citrus Fruits. Summary of acreage, yield, production, use, monthly sales by type, price, and value 1989-90 crop and revised 1988-89 crop. Annual, September.

Order # MCF. 1 yr, \$5; 2 yrs, \$8; 3 yrs, \$12.

Cranberries. Indicated 1990 production by States; utilization, price, and value for 1988 and 1989 crops, by States. Annual, August.

Order # MCR. 1 yr, \$5; 2 yrs, \$8; 3 yrs, \$12.

Hazelnuts (Filberts). Mid-August production forecast for 1990 crop. Annual, August.

Order # MFP. 1 yr, \$5; 2 yrs, \$8; 3 yrs, \$12.

Noncitrus Fruits and Nuts. Mid-year and annual summary of acreage, yield, production, use, price, and value of crop, by State. 2 issues.

Order # PNF. 1 yr, \$12; 2 yrs, \$21; 3 yrs, \$28.

More NASS Periodicals

Walnut Production. Production forecast for California walnuts. Annual, September.

Order # MWP. 1 yr, \$5; 2 yrs, \$8; 3 yrs, \$12.

Vegetables. Monthly production forecasts, preliminary planted area, yield, production, and prices. 12 issues plus preliminary and annual summaries.

Order # PVG. 1 yr, \$17, 2 yrs, \$31; 3 yrs, \$43.

Livestock Series

Cattle. Inventory number and value of all cattle and calves, number by classes, expected calf crop, distribution by size groups and State. 2 issues, plus 12 monthly issues of *Cattle on Feed*, which includes total number on feed, placements, marketings, and other disappearance for seven selected States.

Order # PCT. 1 yr, \$20; 2 yrs, \$37; 3 yrs, \$52.

Hogs and Pigs. Inventory and value and number by classes, farrowings and pig crop, breeding intentions, number of operations keeping hogs, and percent of hog operations by size groups. 4 issues.

Order # PHP. 1 yr, \$11; 2 yrs, \$19; 3 yrs, \$25.

Livestock Slaughter. Number of head and live weight of cattle, calves, sheep and lambs, and hogs slaughtered in commercial plants, by States. Red meat production by species and lard production. 12 issues plus summary.

Order # PLS. 1 yr, \$24; 2 yrs, \$45; 3 yrs, \$64.

Meat Animals: Production, Disposition, and Income. Estimates of cattle, calves, hogs, and sheep and lambs, by States. Annual, April.

Order # MMA. 1 yr, \$5; 2 yrs, \$8; 3 yrs, \$12.

Sheep and Goats. Inventory, value, and number by classes, by States. January 1 angora goat inventory and value for Arizona, Michigan, New Mexico, Oklahoma, and Texas only. All goat inventory and value for Texas only. Lamb crop by States. Number of operations keeping sheep. Annual, February.

Order # MSG. 1 yr, \$5; 2 yrs, \$8; 3 yrs, \$12.

Wool and Mohair. Number of sheep shorn, wool production, price, and value, by State. Number of goats clipped, mohair production, and value for Arizona, Michigan, New Mexico, Oklahoma, and Texas. Annual, March.

Order # MWM. 1 yr, \$5, 2 yrs, \$8; 3 yrs, \$12.

The June Acreage and the July Crop Production Reports

NASS' *Crop Production* subscription includes two key reports for agricultural producers. The **June Acreage** report is based on surveys of about 125,000 producers during the June 1-15 period, conducted by personal and phone interviews. This report shows planted area for corn, soybeans, wheat, oats, barley, rye, sorghum, rice, and other key crops.

The **July Crop Production** report includes area harvested, expected yield, and production for winter wheat, durum, and other spring wheat,

oats, barley, flue-cured tobacco, and summer potatoes; planted acres and indicated area harvested for fall potatoes; and indicated production of wheat and many fruits. Data are collected by mail, personal and telephone interviews. Infield counts are also conducted in randomly selected wheat fields.

Both reports are available through a subscription to *Crop Production*, order # PCP. 1 yr, \$30; 2 yrs, \$57; 3 yrs, \$82. Single copies of either report are also available for \$8.00.

Poultry Series

Egg Products. Production of liquid, frozen, and dried egg products, under Federal inspection, by classes and utilization. 12 issues.

Order # PEP. 1 yr, \$15; 2 yrs, \$27; 3 yrs, \$37.

Eggs, Chickens, and Turkeys. Number of layers, eggs per 100 layers, total eggs produced, broiler and egg-type chicks hatched, and number of eggs in incubators. Number of turkey poult placed and eggs in incubators. Number of broiler-type pullet chicks for hatchery supply flocks and egg-type pullet chicks placed in hatchery supply flocks. 12 issues, plus copies of *Hatchery Production* annual, *Layers and Egg Production* annual, *Poultry Production and Value*, and *Turkeys*.

Order # PEC. 1 yr, \$24; 2 yrs, \$45; 3 yrs, \$64.

Turkey Hatchery. Number of poult, number of eggs in incubators. 12 issues.

Order # PTH. 1 yr, \$14; 2 yrs, \$25; 3 yrs, \$34.

Poultry Slaughter. Number of head and pounds slaughtered under Federal inspection by class, and estimated total poultry slaughtered. 12 issues.

Order # PPY. 1 yr, \$14; 2 yrs, \$25; 3 yrs, \$34.

Dairy Series

Dairy Products. Production of butter, cheese, frozen products, evaporated, condensed, and dry milk and whey products. Shipments, stocks, and prices of dry milk and whey products. 12 issues plus summary.

Order # PDP. 1 yr, \$20, 2 yrs, \$37; 3 yrs, \$52.

Milk Production. Number of milk cows, production per cow, and total milk production for major States. 12 issues plus copy of *Milk Production, Disposition, and Income*.

Order # PMP. 1 yr, \$16; 2 yrs, \$29; 3 yrs, \$40.

Prices and Expenditures

Agricultural Prices. Prices received by farmers for principal crops; livestock and livestock products; index numbers of prices received by farmers; feed price ratios; index of prices paid by farmers and parity prices. 12 issues.

Order # PAP. 1 yr, \$24; 2 yrs, \$45; 3 yrs, \$64.

Agricultural Prices Annual Summary. Summary of indexes of prices received and paid by farmers; prices for farm commodities and prices paid for production items, by State. Annual, June.

Order # MAP. \$1 yr, \$8; 2 yrs, \$14; 3 yrs, \$21.

Crop Values. Season average prices and value of production of principal crops, including revised data for previous year. Note: State estimates for fruits and nuts included in *Noncitrus Fruits and Nuts Annual*. Annual, January.

Order # MCV. 1 yr, \$6; 2 yrs, \$10; 3 yrs, \$15.

Farm Production Expenditures. Results of the farm production expenditure survey, by production region and economic class. 2 issues.

Order # PFP. 1 yr, \$12; 2 yrs, \$21; 3 yrs, \$28.

Prices Received, Minnesota-Wisconsin Manufacturing Grade Milk. Minnesota-Wisconsin grade milk price series and final two-State estimates. Annual, June.

Order # MPR. 1 yr, \$5; 2 yrs, \$8; 3 yrs, \$12.

Other Series

Capacity of Refrigerated Warehouses. Number of firms and capacity for national, State, and city totals, by public and private for general and apple storage. *NOTE:* Issued in February in even years only.

Order # MCW. 1 yr, \$5; 2 yrs, \$8; 3 yrs, \$12.

Catfish. Processors' monthly reports on farm-raised catfish. Roundweight purchased, prices paid, inventory, quantity sold, and price. 12 issues plus 2 issues of *Catfish Production* (includes grower inventory numbers by size groups, and some sales and cost of production data).

Order # PCF. 1 yr, \$15; 2 yrs, \$27; 3 yrs, \$37.

Cold Storage. End-of-month stocks of meat, dairy and poultry products, fruits, nuts, and vegetables. 12 issues plus summary.

Order # PCS. 1 yr, \$20; 2 yrs, \$37; 3 yrs, \$52.

Farm Numbers and Land in Farms. Number of farms in operation, and average size (acreage) of farms, individual States and U.S. totals. Sales class estimates for number of farms, land in farms, and average size of farms for U.S. and selected States. Annual, July.

Order # MFL. 1 yr, \$5; 2 yrs, \$8; 3 yrs, \$12.

Farm Labor. Regional and national data for unpaid, hired, and self-employed workers and wage rates. Annual average wage rates for hired workers are published in November. 4 issues.

Order # PFL. 1 yr, \$11; 2 yrs, \$19; 3 yrs, \$25.

Floriculture Crops. Area of production and sales of cut flowers, flowering potted plants, foliage, bedding/garden plants, cut cultivated greens, and special Hawaiian crops. Annual, April.

Order # MCW. 1 yr, \$7.50; 2 yrs, \$13; 3 yrs, \$19.50.

Honey. Annual report of number of colonies of bees, honey, production, price, and value, and honey stocks as of December 15, by States. Annual, February.

Order # MHO. 1 yr, \$5; 2 yrs, \$8; 3 yrs, \$12.



Mink. Number of mink pelts produced during the marketing year, number of females bred to produce pelts, number of mink farms, average marketing price per pelt and value of pelts produced. Annual, July.

Order # MMI. 1 yr, \$5; 2 yrs, \$8; 3 yrs, \$12.

Mushrooms. Area, production, price, and value, by variety, all producing States, utilization, and intentions for coming year. Annual, August.

Order # MMU. 1 yr, \$6; 2 yrs, \$10; 3 yrs, \$15.

Sugar Market Statistics. Supply, distribution, and stocks of cane and beet sugar. 4 issues.

Order # PSM. 1 yr, \$11; 2 yrs, \$19; 3 yrs, \$25.

Trout Production. Grower sales and cost of production for selected States. Annual, September.

Order # MTP. 1 yr, \$6; 2 yrs, \$10; 3 yrs, \$15.

United States
Department of Agriculture
1301 New York Avenue, N.W.
Washington, D.C. 20005-4788

OFFICIAL BUSINESS
Penalty for Private Use, \$300

BULK RATE
POSTAGE & FEES PAID
USDA
PERMIT NO. G-145

Moving? To change your address, send mailing label on this magazine and new address to *REPORTS*, Rm. 208-USDA, 1301 New York Ave., Northwest Washington, D. C. 20005-4789

Something special for *REPORTS* readers

*Find out what else is happening in
RURAL AMERICA*

Subscribe to...

Rural Conditions and Trends

A new periodical from USDA's Economic Research Service.

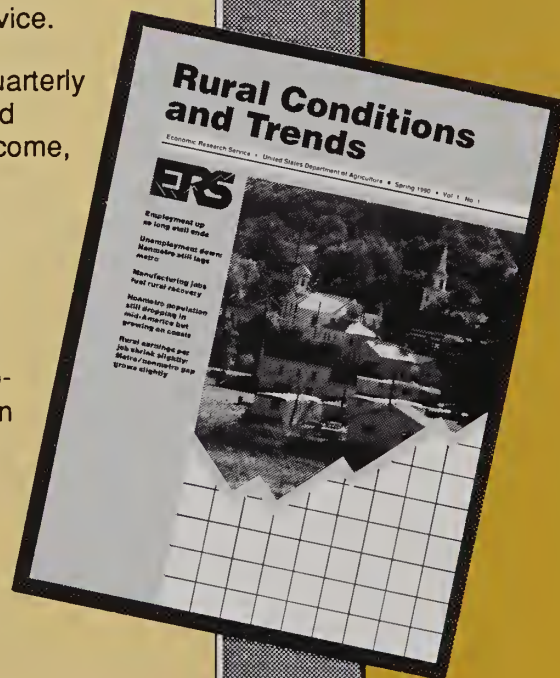
Track rural events on a variety of subjects in this new quarterly periodical: macroeconomic conditions, employment and underemployment, industrial structure, earnings and income, poverty, and population.

Quick-read text and sharp graphics will help you get the information you need to know efficiently and effectively.

To receive a sample copy of the premier issue, call **1-800-999-6779** toll free. Then order your subscription by **August 31, 1990**, and get a premier subscription rate of just \$12.50 per year. That's \$1.50 off the regular subscription rate.

Call or write today for a free sample copy of Rural Conditions and Trends

Phone toll free **1-800-999-6779** or check the *RCAT* box on the order form found on page 12 and mail to the given address.



a HD 1751
.A45

Shermy

REPORTS

A Complete Listing

From USDA's Economics Agencies
August 1990

5/18/92

Following is a list of all publications currently available for sale from USDA's economics agencies. Please order by number using the attached form. Or call our order desk toll-free at 1-800-999-6779 (8:30 - 5:00 Eastern Time, in the United States and Canada) and charge your purchase to your VISA or MasterCard. Other areas, please call 703-725-7937.

Banking and Farm Credit

Recent Developments at the Farm Credit System, by Merritt Hughes. 16 pp. September 1989. Order # AIB-572. \$3.00. Outlines the recent financial position of the FCS and a number of factors likely to contribute to, or impede, its recuperation.

Nonmetro, Metro, and U.S. Bank Operating Statistics, 1986, by James J. Mikesell. 84 pp. October 1989. Order # SB-787. \$8.00. Presents operating statistics for U.S. banks for 1986, and comparisons with 1985.

Deregulation and Structure of Rural Financial Markets, by Daniel L. Milkove and Patrick J. Sullivan. 50 pp. February 1990. Order # RDRR-75. \$11.00. Examines the structure of rural bank markets, determines how this structure has changed during the 1980's, and discusses probable scenarios for the future of the rural banking system.

Prospective Rural Effects of Bank Deregulation, by Stephen W. Hiemstra. 56 pp. March 1990. Order # RDRR-76. \$11.00. Focuses on rural implications of the expansion of commercial banks into investment banking and addresses what provisions were in the proposed legislation, what will be the general effects of bank product deregulation, and how these proposals have affected rural issuers, banks, and economic growth.

An Analysis of the Recent Surge in Consumer Debt in Rural Areas, by Donald L. Lerman. 40 pp. April 1990. Order # AGES 9030. \$8.00. Examines several elements of the recent surge in consumer debt of households residing in rural areas using household-level survey data.

An Examination of Federal Reserve Behavior: An Applied Reaction Function Approach, by Paul A. Sundell. 36 pp. April 1990. Order # AGES 9029. \$8.00. Investigates the factors that have influenced Federal Reserve policy and ultimately the level of interest rates.

Commodities

Leading Commodity Cash Receipts, 1960-87, by Robert P. Williams and others. 132 pp. March 1989. Order # SB-777. \$8.00. Presents data on cash receipts for 25 leading commodities by State to reflect production and sales of each commodity in each State.

U.S. Rice Distribution Patterns, 1986/87, by Nathan W. Childs. 29 pp. March 1989. Order # SB-776. \$5.50. Detailed data on domestic rice shipments and distribution from 31 rice milling and 7 repackaging firms.

The U.S. Watermelon Industry, by Amy J. Allred and Gary Lucier. 73 pp. March 1990. Order # AGES 9015. \$11.00. Reviews supply and utilization trends, prices, transportation, packaging, marketing, cash receipts, and costs of producing watermelons.

What's Inside

Commodity Background Papers	3
Farm Programs	3
Farmworkers and Farm Employment	4
Farm Operations and Finances	4
Farmland	5
Conservation and the Conservation Reserve	5
Farm Policy	6
Food	7
Futures and Options	7
Inputs	8
Irrigation and Water Use	8
New Technology	9
Rural Issues	9
Trade and Foreign Issues	10
Global Commodity Reports	14
NASS Reports, Other	14
Major Statistical Series, Specials	15
NASS Periodicals	16
ERS Periodicals	18

482

Reevaluation of the Beef Carcass-to-Retail Weight Conversion Factor, by Kenneth E. Nelson and others. 44 pp. October 1989. **Order # AER-623. \$5.50.** Develops a new method for evaluating the conversion factor used for changing beef carcass weight data to retail weight.

U.S. Egg and Poultry Statistical Series, 1960-87, by Mark R. Weimar and Shauna Cromer. 212 pp. April 1989. **Order # SB-775. \$8.00.** Reports monthly, quarterly, and annual 1960-87 data for eggs, turkeys, and broilers related to production, stocks, trade, per capita consumption, costs of production, farm prices, wholesale prices, and retail prices.

Quarterly Forecasting of Meat Retail Prices: A Vector Autoregression Approach, by Howard Elitzak and W. Noel Blisard. 20 pp. June 1989. **Order # AGES 89-27. \$5.50.** Uses vector autoregression models to forecast five meat and fish Consumer Price Indexes.

Costs of Producing U.S. Livestock, 1972-87: Estimating and Methodology Update, by Hosein Shapouri and others. 98 pp. April 1990. **Order # AER-632. \$11.00.** Presents a way to make a consistent set of cost-and-returns estimates for U.S. livestock production in 1972-87, a period in which there were data gaps and in which many estimating methods and formats were used.

How Costs of Production Vary, by Mary Ahearn and others. 20 pp. May 1990. **Order # AIB-599. \$4.00.** Analyzes groups of producers at various cost levels and shows that costs of producing crops per unit of output vary considerably by farm.

State-Level Costs of Production, 1987, by Robert McElroy, Robert Dismukes and Mir Ali. 88 pp. March 1989. **Order # AGES 89-13. \$8.00.** The State estimates in the 158 tables in this report supplement the data published annually in *Economic Indicators of the Farm Sector: Costs of Production* (periodical).

Who we are

This catalog lists publications available from USDA's economics agencies. **Economic Research Service (ERS)** reports analyze trade, production, rural development, farm inputs, and other topics. **National Agricultural Statistics Service (NASS)** reports estimate production, stocks, inventories, disposition, utilization, and prices of agricultural commodities, and such other items as labor and farm numbers. The **World Agricultural Outlook Board (WAOB)** issues regular forecasts of U.S. and world supply and demand prospects for major agricultural commodities.

Please use the order form to order copies of reports listed here, or **call toll-free 1-800-999-6779.**

Representative U.S. Wheat Farms, by Michael E. Salassi. 71 pp. January 1990. **Order # SB-786. \$11.00.** Gives average organizational and financial characteristics of representative farms, by size, in 12 States.

The Wheat Program In the 1990's: Issues for Decisionmakers, by Edwin Young and others. 16 pp. June 1990. **Order # AIB-606. \$4.00.** Describes the evolution of U.S. wheat policy and major wheat program issues of the 1990's.

State-Level Wheat Statistics, 1949-88, by Jim Langley and Suchada Langley. 96 pp. March 1989. **Order # SB-779. \$8.00.** Provides State-level data on production levels and trends for all wheat, winter wheat, durum wheat, and other spring wheat for 1949-88.

Optimal Futures Positions for Corn and Soybean Growers Facing Price and Yield Risk, by Dwight Grant. 48 pp. March 1989. **Order # TB-1751. \$5.50.** Presents a model of futures trading for crop producers with random yields.

Effects of Railroad Deregulation on Grain Transportation, by James M. MacDonald. 52 pp. June 1989. **Order # TB-1759. \$5.50.** Looks at how shippers now benefit from increased competition among railroads and from reductions in rail costs.

The U.S. Sheep Industry, by Richard Stillman and others. 52 pp. July 1990. **Order # AGES 9048. \$8.00.** Focuses on production of lamb and lamb products, returns in the sheep industry, demand, and marketing trends.

Financial Performance of Specialized Hog Farms, by Robert Dubman and Gregory Hanson. 12 pp. December 1989. **Order # AIB-578. \$3.00.** Finds that specialized hog farms had more favorable financial conditions in 1987 than most other commodity specialty farms.

Financial Performance of Specialized Corn-Soybean Farms, 1987, by Robert Dubman and Gregory Hanson. 12 pp. January 1990. **Order # AIB-583. \$4.00.** Finds that specialized corn-soybean farms fared better financially in 1987 than most other specialized commodity farms.

The U.S. Milling and Baking Industries, by Joy L. Harwood and others. 74 pp. December 1989. **Order # AER-611. \$8.00.** Describes the milling and baking industries' structure, conduct, and performance, and examines current trends.

Cotton Ginning Charges, Harvesting Practices, and Selected Marketing Costs, 1988/89 Season, by Edward H. Glade and Mae Dean Johnson. 4 pp. October 1989. **Order # AGES 89-50. \$3.00.** Finds that the average charge for saw-ginning and wrapping a 480-pound net-weight bale of U.S. upland cotton was \$45.14 during 1988/89, compared with \$45.82 per bale the previous season.

The following reports present State-level commodity production cost and returns estimates for 1986-88:

Corn: State-Level Costs of Production, 1986-88, by Robert A. Pelly and Mir B. Ali. 35 pp. June 1990. Order # AGES 9045. \$8.00.

Barley: State-Level Costs of Production, 1986-88, by William D. McBride and others. 26 pp. June 1990. Order # AGES 9046. \$8.00.

Commodity Background Papers

Congress is considering new farm legislation to replace the expiring Food Security Act of 1985. The following series of background papers summarize in a nontechnical form the experience with various farm programs and the key characteristics of the commodities and the farm industries which produce them.

Dairy: Background for 1990 Farm Legislation, by Richard F. Fallert and others. 74 pp. March 1990. Order # AGES 9020. \$11.00.

Soybeans and Peanuts: Background for 1990 Farm Legislation, by Brad Crowder and others. 66 pp. March 1990. Order # AIB-592. \$11.00.

Fibers: Background for 1990 Farm Legislation, by Harold Stults and others. 89 pp. March 1990. Order # AIB-591. \$11.00.

U.S. Feed Grains: Background for 1990 Farm Legislation, by Linwood Hoffman and others. 230 pp. May 1990. Order # AIB-604. \$14.00.

Sugar: Background for 1990 Farm Legislation, by Robert Barry. 96 pp. February 1990. Order # AGES 9006. \$11.00.

Honey: Background for 1990 Farm Legislation, by Frederic L. Hoff and Jane K. Phillips. 42 pp. September 1989. Order # AGES 89-43. \$5.50.

Wheat: Background for 1990 Farm Legislation, by Joy L. Harwood and C. Edwin Young. 88 pp. October 1989. Order # AGES 89-56. \$8.00.

Rice: Background for 1990 Farm Legislation, by Nathan W. Childs and Bill Lin. 84 pp. November 1989. Order # AGES 89-49. \$8.00.

Tobacco: Background for 1990 Farm Legislation, by Verner N. Grise. 68 pp. October 1989. Order # AGES 89-48. \$8.00.

Farm Programs

Effects of Government Programs on Rice Production Costs and Returns, by Michael Salassi and others. 12 pp. March 1990. Order # AIB-597. \$4.00. This analysis, the first of its kind to show direct effects of Government programs, finds gross returns, production costs, and net returns to be higher when Government payments are included in the costs/returns calculations.

Profile of Farms Benefiting from the 1982 Farm Commodity Programs, by Frederick J. Nelson. 72 pp. September 1989. Order # AGES 89-32. \$8.00. Looks at the 1982 and 1986 commodity support programs and the characteristics of program beneficiaries.

Economic Effects of Mandatory Production Controls, by C. Edwin Young and others. 36 pp. March 1989. Order # AER-595. \$5.50. A mandatory production control program using acreage allotments to increase commodity prices to 80 percent of parity will increase aggregate net farm income by slightly less than \$80 billion over a 5-year period and can raise consumer costs by about the same amount (over current trends).

Program Provisions for Program Crops: A Database for 1961-90, by Robert C. Green. 113 pp. March 1990. Order # AGES 9010. \$11.00. Looks at legislation which provided the foundation for commodity support programs and highlights legislation which revised and supplemented the basic structure of these programs.

Federal Crop Insurance and the 1990 Farm Bill: An Assessment of Program Options, by Joseph W. Glauber and others. 38 pp. September 1989. Order # AGES 89-45. \$5.50. Examines how the current program and proposed alternatives affect market prices, commodity market participation, producer revenues, and the Federal budget.

The Disaster Assistance Act of 1989: A Description of the Provisions, by Susan L. Pollack. 19 pp. November 1989. Order # AGES 89-59. \$5.50. Summarizes provisions of the Disaster Assistance Act of 1989 (P.L. 101-82) which provides assistance to crop and livestock producers who suffered harvest losses from natural disasters in 1988 and 1989.

Federal Marketing Orders for Fruits, Vegetables, Nuts, and Specialty Crops, by Nicholas J. Powers. 34 pp. March 1990. Order # AER-629. \$8.00. Explains why there is a Federal marketing order for horticultural crops, its development and operation, and its effect on market participants.

Federal Marketing Orders for Horticultural Crops, by Nicholas J. Powers. 16 pp. March 1990. Order # AIB-590. \$4.00. Describes the purpose of horticultural marketing orders and their effects on growers, marketers, input suppliers, food processors, and consumers.

Farmworkers and Farm Employment

The Agricultural Work Force of 1987: A Statistical Profile, by Victor J. Oliveira and E. Jane Cox. 40 pp. May 1989. **Order # AER-609. \$5.50.** Discusses the demographic, employment, and regional characteristics of the agricultural work force, including hired farmworkers, farm operators, and unpaid farmworkers.

A Summary of Federal Laws and Regulations Affecting Agricultural Employers, by Jack L. Runyan. 18 pp. January 1989. **Order # AIB-550. \$5.50.** A single source of information describing Federal laws and regulations that pertain to agricultural employer-employee relations and agricultural employment taxes.

Labor Expenditures Help Determine Farms Affected by Immigration Reform, by James A. Duffield and others. 16 pp. April 1989. **Order # AIB-557. \$3.00.** Focuses on farms that reported labor expenditures in 1986 in terms of commodities produced, sales class, and location to identify farms most vulnerable to a reduced supply of farmworkers.

Where Do Farm Households Earn Their Income? by Nora Brooks and Donn A. Reimund. 8 pp. February 1989. **Order # AIB-560. \$3.00.** Examines the relative importance of farm and off-farm sources of income by type of farm, farm sizes, region, and proximity to metro employment centers.

Trends in the Hired Farm Working Force, 1945-87, by Victor J. Oliveira. 16 pp. April 1989. **Order # AIB-561. \$3.00.** Examines factors behind the historical trends in the size and composition of the hired farm work force.

Alternative Definitions of Farm People, by Vera Banks and others. 36 pp. March 1989. **Order # AGES 89-9. \$5.50.** Notes differences among farm population definitions by residence, income, and farm occupation. Finds that 11 million people lived in households associated with farming.

The Farm Entrepreneurial Population, 1988, by Margaret A. Butler. 28 pp. July 1990. **Order # RDRR-78. \$8.00.** Analyzes census data on income, education, and other characteristics of the group identified by farm occupation and farm self-employment criteria.

Estimating Farm Labor Elasticities to Analyze the Effects Of Immigration Reform, by James A. Duffield. 20 pp. February 1990. **Order # AGES 9013. \$8.00.** Uses a simultaneous equation model to measure the effect of the Immigration Control Act of 1986 on the U.S. farm labor market.

Nonfarm Employment of Farm Operators, Hired Farmworkers, and Unpaid Farmworkers, by Victor J. Oliveira. 20 pp. January 1990. **Order # AER-624. \$4.00.** Looks at age of worker, education level, minority status, head of household status, days spent doing farmwork, and residence in metropolitan areas and how these factors affect hired farmwork.

Farm Operations and Finances

Involuntary Exits from Farming: Evidence from Four Studies, by Susan E. Bentley and others. 16 pp. November 1989. **Order # AER-625. \$3.00.** Analyzes four cases of farm exit in southwestern Wisconsin, Texas, North Dakota, and Dodge County, Georgia, mainly during the early 1980's.

Financial Characteristics of U.S. Farms, January 1, 1989: A Summary, by Mitchell J. Morehart and others. 16 pp. July 1989. **Order # AIB-569. \$3.00.** Summarizes the latest information on the financial performance of farmers from the Farm Costs and Returns Survey.

Financial Characteristics of U.S. Farms, January 1, 1989, by Mitchell J. Morehart and others. 171 pp. December 1989. **Order # AIB-579. \$8.00.** Provides a detailed analysis of farm financial performance based on the latest information from the Farm Costs and Returns Survey.

Farm Operating and Financial Characteristics, 1986, by Elizabeth G. Nielsen and Mitchell J. Morehart. 149 pp. January 1989. **Order # SB-772. \$8.00.** NOTE: UPDATE AVAILABLE. See AGES 9032, below.

Farm Operating and Financial Characteristics, 1987, by Mitchell Morehart. 168 pp. April 1990. **Order # AGES 9032. \$14.00.** Presents an assortment of farm economic data along with statistical measures of precision for 1987.

Alternative Measures of Farm Output to Classify Farms by Size, by Gregory D. Hanson and others. 32 pp. January 1989. **Order # TB-1749. \$5.50.** Looks at six different ways of classifying farms to determine how they are faring: three measures based on value of sales and three measures based on value of production.

Estimating Supply Response of Multiproduct Farms, by V. Eldon Ball. 24 pp. January 1989. **Order # TB-1750. \$5.50.** Finds that operators of multiproduct farms make production decisions based on aggregate economic assessments, not just on isolated assessments for each crop.

The U.S. Farming Sector Entering the 1990's: Twelfth Annual Report on the Status of Family Farms, by Thomas Carlin and Sara Mazie. 72 pp. June 1990. **Order # AIB-587. \$11.00.** Finds that the U.S. farm sector will enter the 1990's in a much-improved financial position after the financial difficulties of the early and mid 1980's.

The Distribution of Farm Program Payments, 1987, by Robert D. Reinsel. 11 pp. June 1990. **Order # AIB-607. \$4.00.** Shows which groups of farms received Government program payments in 1987, and in what amount and proportion.

Farm Structural Trends in the 1980's, by Nora L. Brooks and others. 6 pp. June 1990. **Order # AIB-605. \$4.00.** A snapshot of the farm sector, covering trends in farm numbers, size, sales, asset values, operator characteristics, and farmland, based on 1987 Census of Agriculture data.

Exits from Farming in Southwestern Wisconsin, 1982-86, by Susan E. Bentley and William E. Saupe. 24 pp. February 1990. **Order # AER-631. \$8.00.** Finds that one in every five farm operators in southwestern Wisconsin left farming in the early 1980's.

Farmer Buying/Selling Strategies and Growth of Crop Farms, by Kenneth R. Krause. 132 pp. April 1989. **Order # TB-1756. \$8.00.** Finds that large crop farms, with large input purchases and product sales, can often bargain for better terms than are available to smaller farms and can get better prices or access to services.

Dynamic Asset Replacement Decisions to Enhance Farm Profits, by John W. McClelland and others. 24 pp. June 1989. **Order # TB-1758. \$5.50.** Develops a model which can improve farm profitability by helping farmers determine when to rejuvenate assets instead of replacing them.

A Historical Look at Farm Income, by Cheryl D. Johnson. 27 pp. May 1990. **Order # SB-807. \$8.00.** Presents the national farm income statistics, dating back to 1910.

Aspects of Farm Finances: Distribution of Income, Family Income, and Direct Payments, 1986, by Robert D. Reinsel and David Banker. 28 pp. April 1990. **Order # AER-630. \$8.00.** Cross-classifies 1986 Farm Costs and Returns Survey data to more clearly show the diverse nature of farms and their greatly varying financial conditions.

Farm Financial Conditions, by Region, January 1, 1989, by Gregory Hanson and others. 12 pp. December 1989. **Order # AIB-577. \$3.00.** Presents farm financial findings from USDA's annual Farm Costs and Returns Survey.

Farmland

Trends in Ownership Transfers of Rural Land, by Gene Wunderlich. 8 pp. May 1990. **Order # AIB-601. \$4.00.** Presents findings of 1988 survey of rural land transfers to determine rate of change of rural real estate ownership.

Rural Land Transfers in the United States, by Paul W. Barkley and Gene Wunderlich. 20 pp. October 1989. **Order # AIB-574. \$5.50.** Using a 1988 survey, report shows that 88.4 percent of all rural land transferred each year is agricultural land, but only 4.8 percent of land transferred each year goes to nonfarmers.

Transfers of Rural Land, by Gene Wunderlich. 4 pp. July 1989. **Order # AIB-568. \$3.00.** Summarizes a 1988 nationwide survey of rural land transfers which found 4.6 percent of parcels and 3.5 percent of rural acreage changed hands in 1987.

Returns, Interest Rates, and Cropland Prices in Selected Regions, by Karl Gertel and Patrick Canning. 18 pp. April 1990. **Order # TB-1778. \$4.00.** Examines how returns to land and real interest rates on farm mortgages

affect farmland prices in the Corn Belt, selected winter wheat-growing areas of Kansas, and soybean- and cotton-growing areas of the Mississippi Delta.

U.S. Grazing Lands: 1950-82, by Arthur B. Daugherty. 75 pp. January 1989. **Order # SB-771. \$8.00.** Examines grazing trends, demands, resources, and conditions of resources through 1982.

Metropolitan Growth and Agriculture: Farming in the City's Shadow, by Ralph E. Heimlich and Douglas H. Brooks. 20 pp. September 1989. **Order # AER-619. \$5.50.** Looks at farming in metro areas.

Structural Changes in U.S. Farmland, by Robert C. Reining. 17 pp. June 1990. **Order # AER-617. \$8.00.** Examines changes in the distribution of land, sales, and tenure among farms.

Foreign Ownership of U.S. Agricultural Land Through December 31, 1989, by J. Peter DeBraal. 60 pp. April 1990. **Order # AGES 9026. \$8.00.** This annual report to the President and Congress finds that foreigners owned 12.9 million acres of U.S. agricultural land as of December 31, 1989.

Foreign Ownership of U.S. Agricultural Land Through December 31, 1989: County-Level Data, by Gertrude S. Butler and J. Peter DeBraal. 132 pp. May 1990. **Order # AGES 9038. \$11.00.** Presents foreign investment data for each of the 3,041 U.S. counties.

Foreign Investment in U.S. Cropland: Some Evidence on the Role of Exchange Rates, Interest Rates, and Returns on Cropland, John Kitchen and J. Peter DeBraal. 13 pp. September 1989. **Order # AGES 89-44. \$3.00.** Examines the role of exchange rates, cropland returns, and the real interest rate as determinants of foreign investment in U.S. cropland.

The Contribution of Speculative Bubbles to Farmland Prices, by Ababayehu Tegene and Fred Kuchler. 25 pp. July 1990. **Order # TB-1782. \$8.00.** Details tests for the presence of speculative bubbles in farmland prices.

Conservation and the Conservation Reserve

The Conservation Reserve Program: An Economic Assessment, by C. Edwin Young and C. Tim Osborn. 40 pp. February 1990. **Order # AER-626. \$8.00.** Estimates the net economic benefits of the CRP.

Natural Resources and Users Benefit from the Conservation Reserve Program, by Marc O. Ribaud and others. 51 pp. January 1990. **Order # AER-627. \$8.00.** Estimates how retiring cropland benefit natural resources under three scenarios of CRP enrollment.

The Conservation Reserve Program: Enrollment Statistics for Signup Periods 1-9 and Fiscal Year 1989, by C. Tim Osborn and others. 152 pp. July 1990. **Order # SB-811. \$14.00.** Presents CRP enrollment and accomplishments.

Implementing the Conservation Reserve Program: Analysis of Environmental Options, by Clayton W. Ogg and others. 26 pp. October 1989. **Order # AER-618. \$5.50.** Addresses which types of land to target to gain maximum environmental benefits from the CRP.

Soil Depletion Estimates: Version 2: A User's Guide to a Personal Computer Model for Estimating Long-Term Onsite Physical and Economic Impacts of Soil Depletion, by Leonard L. Bull and Daniel E. Kugler. 21 pp. January 1990. **Order # AGES 9005. \$8.00.** Compares shortrun and longrun effects on erosion and economic returns from alternative resource management systems.

Investments In Soil Conservation and Land Improvements: Factors Explaining Farmers' Decisions, by Elizabeth G. Nielsen and others. 36 pp. January 1989. **Order # AER-601. \$5.50.** Sheds new light on factors that determine farmers' investments in land improvements, including soil conservation, drainage, and land clearing.

Productivity and Erodibility of U.S. Cropland, by Ralph E. Heimlich. 21 pp. January 1989. **Order # AER-604. \$5.50.** Finds that highly erodible farmland may also be highly productive and valuable.

Water Quality Benefits from the Conservation Reserve Program, by Marc O. Ribaud. 30 pp. February 1989. **Order # AER-606. \$5.50.** Looks at the estimated \$3.5 to \$4 billion in water quality benefits that may be generated as a side effect of the Conservation Reserve Program.

Irrigated Acreage In the Conservation Reserve Program, by Glenn D. Schaible. 19 pp. July 1989. **Order # AER-610. \$5.50.** Identifies the extent of marginal irrigated acreage enrolled in the CRP through 1987 and the likely amount of such land to be enrolled in the CRP.

The Conservation Reserve Program and Its Effect on Land Values, by Robbin Shoemaker. 5 pp. January 1989. **Order # AIB-554. \$3.00.** Uses differences in average bids between signups (enrollment periods) to estimate an upper limit on the CRP's effects on the value of enrolled land.

Estimating the Offsite Household Damages from Wind Erosion In the Western United States, by Stephen Piper and Linda K. Lee. 21 pp. June 1989. **Order # AGES 89-26. \$5.50.** Finds that wind-caused soil erosion in some Western regions increases the need for interior and exterior cleaning, reduces recreational opportunities, and impairs health.

Soil Erosion: What Effect on Agricultural Productivity? by Klaus Alt and others. 6 pp. January 1989. **Order # AIB-556. \$3.00.** Estimates the potential losses in agricultural productivity from wind, sheet, and rill erosion.

Farm Policy

Monetary Policy: The Potential Role for Agricultural Commodity Prices, by John Kitchen and others. 22 pp. June 1990. **Order # TB-1779. \$8.00.** Presents empirical evidence on the relationships among agricultural and nonagricultural commodity prices, general price level, monetary aggregates, interest rates, industrial production, and the exchange rate.

Agricultural-Food Policy Review: U.S. Agricultural Policies In a Changing World. 404 pp. November 1989. **Order # AER-620. \$12.00.** Brings together background information for assessing today's agricultural sector and programs of the Food Security Act of 1985, and for looking at new agricultural, environmental, and rural development strategies.

Changes In U.S. Agriculture and Emerging Issues for Legislation In the 1990's, by Kathryn L. Lipton. 12 pp. December 1989. **Order # AIB-584. \$3.00.** Outlines recent changes in the structure and financial picture of U.S. agriculture and previews some topics that may be considered in upcoming farm legislation.

A Glossary of Food and Agricultural Policy Terms, 1989, by Kathryn L. Lipton and Susan L. Pollack. 46 pp. November 1989. **Order # AIB-573. \$5.50.** A guide to many terms associated with food and agricultural policies and programs.

Basic Mechanisms of U.S. Farm Policy

The Basic Mechanisms of U.S. Farm Policy: How They Work, with Examples and Illustrations. 88 pp. January 1990. **Order # MP-1479. \$6.50.** Describes in plain English the key concepts of how U.S. farm policy works. Takes you step by step through the major programs. Separated into three, easy-to-follow sections. Also available in separate volumes, as shown below.

The Basic Mechanisms of U.S. Farm Policy, Part One: Target, Loan & Deficiency, by William J. Hudson and Keith J. Collins. 28 pp. May 1989. **Order # MP-1470. \$5.50.**

The Basic Mechanisms of Farm Policy: Part Two: Deficiency Payments, Certificates, and PIK & Roll. 32 pp. December 1989. **Order # MP-1476. \$5.50.**

The Basic Mechanisms of Farm Policy: Part Three: Export Enhancement, FOR, Marketing Loans, Disaster Payments, and CRP. 28 pp. December 1989. **Order # MP-1477. \$5.50.**

World Food Security: The Effect of U.S. Farm Policy, by Mark E. Smith. 8 pp. April 1990. **Order # AIB-600. \$4.00.** Defines U.S. world food security and looks at how U.S. domestic farm policies affect it.

The Basic Mechanisms of Japanese Farm Policy, by William T. Coyle and William J. Hudson. 40 pp. February 1990. **Order # MP-1478. \$5.50.**

Food

Food Consumption, Prices, and Expenditures, 1967-88, by Judith Jones Putnam. 144 pp. May 1990. **Order # SB-804. \$11.00.** Presents historical data on food consumption, prices, and expenditures, and U.S. income and population.

The Food Marketing System In 1989, by Anthony E. Gallo. 16 pp. May 1990. **Order # AIB-603. \$4.00.** Analyzes and assesses yearly developments in the industry growth, performance, and structure of the institutions—food processors, wholesalers, retailers, and foodservice firms—which make up the Nation's food marketing system.

Food Marketing Review, 1988. 109 pp. August 1989. **Order # AER-614. \$8.00.** Examines food manufacturing, wholesaling, retailing, and serving the U.S. food supply.

Food Spending in American Households, 1980-86, by David M. Smallwood. 108 pp. March 1990. **Order # SB-7891. \$11.00.** Shows trends in household food expenditures for major food groups by selected demographic factors for 1980-86, and tabulations for 133 food categories by 10 household socioeconomic characteristics for 1985 and 1986.

Food Cost Review, 1989, by Denis Dunham. 56 pp. July 1990. **Order # AER-636. \$11.00.** Looks at how much food prices rose in 1989 and why, how much of the retail food price the farm value represents, how farm-to-retail price spreads changed, and how much Americans spent for farm-produced food.

Food Costs...From Farm to Retail In 1989, by Denis Dunham. 12 pp. March 1990. **Order # AIB-593. \$4.00.** Reports how much food costs are changing and why, and how much of the consumer food dollar goes to the farm and how much to food processors and marketers.

Data for Food Demand Analysis: Availability, Characteristics, Options, by Alden C. Manchester. 48 pp. April 1990. **Order # AER-613. \$8.00.** Discusses the availability, characteristics, and derivation of time series for food consumption, food prices, food expenditures, and income for use in food demand analysis.

Supermarket Prices and Price Differences: City, Firm, and Store-Level Determinants, by Philip R. Kaufman and Charles R. Handy. 68 pp. December 1989. **Order # TB-1776. \$8.00.** Investigates how much supermarket

prices vary, both among firms within cities and among firms in different cities, and the reasons for these differences.

Generic Promotion of Agricultural Products: Balancing Producers' and Consumers' Needs, by William N. Blisard and James R. Blaylock. 6 pp. July 1989. **Order # AIB-565. \$3.00.** Examines policy issues involved in Government-authorized generic advertising programs.

The Economics of Safeguarding the U.S. Food Supply, by Tanya Roberts and Eileen van Ravenswaay. 8 pp. July 1989. **Order # AIB-566. \$3.00.** A look at the economic issues involved in detecting and eliminating contaminants in the food supply and the challenges of incorporating new technology into workable food safety policies.

Economic Analysis of Electron Accelerators and Cobalt-60 for Irradiating Food, by Rosanna M. Morrison. 38 pp. June 1989. **Order # TB-1762. \$5.50.** Average costs per pound of irradiating food are similar for the electron accelerator and cobalt-60 irradiators, but initial investment costs can vary by \$1 million.

Retail to Farm Linkage for a Complete Demand System of Food Commodities, by Michael K. Wohlgenant and Richard C. Haidacher. 47 pp. December 1989. **Order # TB-1775. \$8.00.** Describes a new conceptual model to estimate the effects of demand, supply, and marketing margins on retail food prices and farm prices.

U.S. Domestic Food Assistance Program: Lessons from the Past, by J. William Levedahl and Masao Matsumoto. 16 pp. January 1990. **Order # AIB-570. \$4.00.** Describes current domestic food assistance programs, their relationships to each other, their effects on the food production and marketing sectors, and cost.

Futures and Options

Subsidized Put Options as Alternatives to Price Supports, by Joseph W. Glauber and Mario J. Miranda. 24 pp. December 1989. **Order # TB-1773. \$5.50.** Compares effectiveness of a subsidized put option program to support and stabilize producer income with the current program.

Effects of a Subsidized Put Option Program and Forward Selling on Farmers' Revenue Risks, by Gerald Plato. 26 pp. December 1989. **Order # TB-1777. \$5.50.** Compares the effectiveness of the current commodity program for cotton, corn, soybeans, and wheat with the effectiveness of a subsidized put option program for these four commodities.

Potentials for Substituting Farmers' Use of Futures and Options for Farm Programs, by Richard G. Heifner and Bruce Wright. 75 pp. December 1989. **Order # AER-628. \$8.00.** Identifies possibilities and quantifies the effects of policy alternatives that involve greater use of forward markets.

Futures, Options, and Farm Programs: Report to Congress on a Study Mandated by the Food Security Act of 1985, by Richard G. Heifner and others. 28 pp. January 1990. **Order # AGES-9003. \$8.00.** Looks at how farmers might use futures and options markets, the price stability and income protection attainable through such use, and the effects on the Federal budget.

Inputs

Estimating Forage Values for Grazing National Forest Lands, by William F. Hahn and others. 68 pp. October 1989. **Order # AGES 89-51. \$8.00.** Provides estimates of the ability of ranchers to pay for Forest Service grazing.

Ethanol and U.S. Agriculture, by Sally Kane and Michael LeBlanc. 8 pp. January 1989. **Order # AIB-559. \$3.00.** Assesses contribution of ethanol production to national objectives on energy, environment, and trade policy.

Economics of Ethanol Production in the United States, by Sally M. Kane and John M. Reilly. 20 pp. March 1989. **Order # AER-607. \$5.50.** Evaluates structural characteristics of the ethanol industry, including economies of scale and the relative economics of wet- and dry-mill plants.

The Economic Cost of Unemployment and Underemployment, by Mervin J. Yetley. 28 pp. May 1989. **Order # AGES 89-17. \$5.50.** Describes the procedure used to estimate the magnitude of lost earnings due to both underemployment and unemployment.

Economic Returns to Boll Weevil Eradication, by Gerald A. Carlson and others. 31 pp. September 1989. **Order # AER-621. \$5.50.** Evaluates returns of a pest control program in a large geographical area and the joint efforts of farmers and public agencies, in contrast to pest control efforts by individuals, which can be less successful.

Agricultural Pesticide Use Trends and Policy Issues, by Craig D. Osteen and Philip I. Szmedra. 87 pp. September 1989. **Order # AER-622. \$8.00.** Discusses pesticide use trends and factors affecting those trends.

Fertilizer Use and Price Statistics, 1960-88, by Harry Vroomen. 56 pp. July 1989. **Order # SB-780. \$8.00.** Includes quarterly or semiannual time series for farm fertilizer price indexes, consumption by plant nutrient and major selected products, and statistics on fertilizer use per acre by nutrient in major producing States for corn, cotton, soybeans, and wheat.

Fertilizer Trade Statistics, 1970-88, by Harry Vroomen. 28 pp. June 1989. **Order # SB-782. \$5.50.** Includes data on U.S. imports and exports of selected fertilizer materials; world and U.S. imports and exports of nitrogen, phosphate, and potash; and U.S. import origins and export destinations for selected fertilizer materials.

Tractor Depreciation and Technical Change: A Case Study of 60-Horsepower Tractors, by LeRoy Hansen and Hyunok Lee. 20 pp. February 1990. **Order # TB-1772. \$4.00.** Examines physical depreciation and technical change in farm tractors to quantify changes in this type of capital.

Major World Crop Areas and Climatic Profiles. 163 pp. **Order # AH-664. \$8.00.** Identifies key U.S. and foreign regions, concentrated production zones, and the normal timing of critical crop stages from planting for 13 major crops.

Weather in U.S. Agriculture: Monthly Temperature and Precipitation by State and Farm Production Region, 1950-88, by Lloyd D. Teigen and Florence Singer. 131 pp. November 1989. **Order # SB-789. \$8.00.** Shows monthly temperature and precipitation data by climatic division, in the 48 contiguous States using two alternative sets of weights: geographic areas and harvested cropland areas.

Irrigation and Water Use

Agricultural Use of Federally Supplied Irrigation Water, 1979-86, by Tom McGuckin and others. 70 pp. December 1989. **Order # SB-788. \$8.00.** Describes trends in cropping patterns and Bureau of Reclamation water use for 1979-86.

Economics of Controlling Sediment from Irrigation: An Idaho Example, by Richard Magleby and others. 32 pp. September 1989. **Order # AGES 89-33. \$5.50.** Summarizes the results of the evaluation of Idaho's Rock Creek Rural Clean Water Program project, an experimental program aimed at providing experience and insights for future nonpoint pollution control programs.

Irrigated Agriculture in the United States: State-Level Data, by John J. Hanchar. 72 pp. January 1989. **Order # SB-767. \$8.00.** Presents previously unreported State-level data on the structure and characteristics of irrigated farms in Arkansas, Louisiana, Florida, and the 17 Western States.

Public Policies in Water-Resource Use: Their Effect on Groundwater Mining and Surface-Water Imports, by C.S. Kim and Michael R. Moore. 35 pp. July 1989. **Order # TB-1764. \$5.50.** Analyzes the effect of public policies on the rate of groundwater use and on the timing of surface water transported into an area to satisfy regional water demand.

Factor Demand in Irrigated Agriculture Under Conditions of Restricted Water Supplies, by Daniel J. Bernardo and Norman K. Whittlesey. 13 pp. July 1989. **Order # TB-1765. \$5.50.** Uses a whole-farm irrigation management model to look at several scenarios of limited water supply.

A User's Manual for the Irrigation Production Data System (IPDS), by Glenn D. Schaible and others. 68 pp. April 1989. **Order # AGES 89-10. \$8.00.** Documents IPDS, a Lotus 1-2-3 microcomputer database, its structure, data, and computer requirements, and describes other characteristics of the system.

Economic Benefit Considerations In Selecting Water Quality Projects: Insights from the Rural Clean Water Program, by Stephen Piper and others. 36 pp. May 1989. **Order # AGES 89-18. \$5.50.** Finds that projects under the Rural Clean Water Program that preserve or improve water quality in a heavily used lake or estuary appear to have the greatest potential for generating net benefits.

Economic and Technical Adjustments In Irrigation Due to Declining Ground Water, by William Crosswhite and others. 35 pp. February 1990. **Order # AGES 9018. \$8.00.** Examines changes that irrigators are likely to make as the cost of water rises because of increasing pumping lift and declining well yields in ground-water areas.

Water Allocation Tradeoffs: Irrigation and Recreation, by Leroy T. Hansen and Arne Hallam. 21 pp. June 1990. **Order # AER-634. \$8.00.** Develops a procedure for estimating the marginal value of water used for fishing that includes the effects of upstream diversions on all points downstream.

Water Conservation Through Irrigation Technology, by Donald H. Negri and John J. Hanchar. 12 pp. November 1989. **Order # AIB-576. \$3.00.** Finds that new equipment and advanced water management practices conserve water without sacrificing crop yields.

New Technology

International Technology Transfer In U.S. Agriculture, by Margot Anderson. 12 pp. August 1989. **Order # AIB-571. \$3.00.** Discusses implications of and reasons for private sector expansion into agricultural research and technology transfers.

Issues Raised by New Agricultural Technologies: Livestock Growth Hormones, by Fred Kuchler and John McClelland. 40 pp. April 1989. **Order # AER-608. \$5.50.** Looks at the changes to be expected if all livestock were treated with growth hormones.

Chemigation: A Technology for the Future? by Noel Gollehon. 16 pp. July 1990. **Order # AIB-608. \$4.00.** Defines and describes chemigation, the use of an irrigation system to apply chemicals to soils and plants. Also discusses benefits as well as management and resource considerations.

How Technological Progress and Government Programs Influence Agricultural Land Values, by Robbin Shoemaker. 12 pp. January 1990. **Order # AIB-582. \$4.00.** Examines the mix of forces leading to the longrun increase in land values.

Consumer Effects of Biotechnology, by John M. Reilly. 12 pp. December 1989. **Order # AIB-581. \$3.00.** Identifies some of the issues and tradeoffs between concerns raised by biotechnology and the problems people hope biotechnology will solve.

Biotechnology and Agriculture: Emergence of Bovine Somatotropin (bST), by Don Blayner and Richard Fallert. 28 pp. June 1990. **Order # AGES 9037. \$8.00.** Updates and extends a 1987 study of bST and the dairy industry.

Rural Issues

An Update: The Diverse Social and Economic Structure of Nonmetropolitan America, by Thomas F. Hady and Peggy J. Ross. 38 pp. May 1990. **Order # AGES 9036. \$8.00.** Updates a 1979 classification system of nonmetro counties developed by ERS that identified rural counties according to their economic and social structure.

Effects of Population Growth and County Type on Farm Structure, 1970-80, by Nora Brooks and others. 20 pp. August 1989. **Order # AGES 89-37. \$5.50.** Examines whether farm structure is affected by change in community characteristics, and if these structural effects differ by the community's metro-nonmetro status.

Explanatory Guide to the ERS Metro and Nonmetro Labor Force and Income Data Diskette, by Martha Frederick. 24 pp. August 1989. **Order # AGES 89-39. \$5.50.** Explains the labor force, employment, and income data included on the ERS "Metro and Nonmetro Labor Force and Income Data Diskette."

Jobs and Earnings In Nonmetro Industry, by Linda M. Ghelfi and T. Alexander Majchrowicz. 12 pp. February 1990. **Order # AIB-589. \$4.00.** Finds that nonmetro job growth accelerated, and real earnings grew, but more slowly in 1987 than in 1982-86.

State-Level Comparisons of Metro and Nonmetro Economic Performance, 1979-86, by John M. Redman and Thomas D. Rowley. 25 pp. November 1989. **Order # AGES 89-60. \$5.50.** Presents State-level data for 1979-86 on metro and nonmetro population, employment, and income, and describes individual States based on the relative economic performance of their metro and nonmetro areas.

Patterns of Change In the Rural Economy, 1969-86, by T. Alexander Majchrowicz. 36 pp. December 1989. **Order # RDRR-73. \$5.50.** Analyzes changes in county data on labor force, employment, and income.

The Importance of Transfer Payments In Nonmetro America, by Linda Ghelfi and Robert Hoppe. 8 pp. March 1989. **Order # AIB-562. \$3.00.** Finds that transfer payments are a growing source of income in nonmetro areas, accounting for 18.7 percent of annual personal income in 1986.

Entrepreneurship Theories and Their Use In Rural Development: An Annotated Bibliography, by Martha Frederick and Celeste A. Long. 88 pp. April 1989. **Order # BLA-74. \$8.00.** A guide to theoretical material and to more recent empirical work on entrepreneurs in different economic climates.

Public Water Supply in Rural Communities: Results from the National Rural Community Facilities Assessment Study, by Thomas F. Stinson and others. 50 pp. January 1989. **Order # AGES 89-4. \$5.50.** Presents estimates on public water facilities serving rural communities.

Geographic Distribution of Federal Funds in 1985, by Elliott J. Dubin. 109 pp. March 1989. **Order # AGES 89-7. \$8.00.** Examines the metro/nonmetro distribution of Federal funds in fiscal year 1985.

The Drought of 1988: Effects on the U.S. Food and Fiber Sector and on Rural Communities. 53 pp. January 1989. **Order # AGES 89-8. \$5.50.** Presents data and information from surveys of farmers conducted during 1988.

Local Response to Federal Budget Policies: A Study of Nonmetropolitan Communities in Ohio, by Philip A. Russo, Jr. and others. 41 pp. June 1989. **Order # AGES 89-24. \$5.50.** Investigates how declining Federal funding, 1981-86, affected six nonmetro counties and six small cities in Ohio.

Employment Stability Among Workers: A Case Study from Nine Nonmetro Kentucky Counties, 1979, by Donald K. Larson. 26 pp. July 1989. **Order # AGES 89-31. \$5.50.** Shows that even during a period of rapid growth (1974-79) in south central Kentucky, employment was disrupted for some workers.

Rural-Urban Continuum Codes for Metro and Nonmetro Counties, by Margaret A. Butler. 38 pp. April 1990. **Order # AGES 9028. \$8.00.** Provides a one-digit code for each of 10 classifications for all U.S. counties.

Patterns of Change in the Rural Economy, 1969-86, by T. Alexander Majchrowicz. 36 pp. December 1989. **Order # RDRR-73. \$5.50.** Analyzes changes in county data on labor force, employment, and income for metro and nonmetro counties.

Survival and Growth of Independent Firms and Corporate Affiliates in Metro and Nonmetro America, by James P. Miller. 24 pp. February 1990. **Order # RDRR-74. \$8.00.** Reveals that local, independent firms survived better and grew faster than corporate affiliates in nonmetro areas.

Trade and Foreign Issues

A Survey of Theoretical and Empirical Literature Related to Export Assistance, by Ann Hillberg Seitzinger and Philip L. Paarlberg. 32 pp. August 1989. **Order # AGES 89-34. \$5.50.** Examines the literature regarding global and targeted export assistance, including cash and payment-in-kind.

Food Aid: Motivation and Allocation Criteria, by Shahla Shapouri and Margaret Missiaen. 44 pp. February 1990. **Order # FAER-240. \$8.00.** Evaluates the motives that affect food aid policies and distribution, including a review of food aid from the United States, the European Community, and Canada.

Foreign Aid's Effect on U.S. Farm Exports: Benefits or Penalties? by Alain deJanvry and others. 52 pp. November 1989. **Order # FAER-238. \$5.50.** Identifies conditions that increase aid-trade complementarity and implications for formulating and implementing development policy.

Competitiveness and Protection in World Agriculture, by Thomas L. Vollrath. 12 pp. July 1989. **Order # AIB-567. \$3.00.** Explores what agricultural competitiveness means by using three different measures: market share, relative export advantage, and revealed competitiveness.

Agricultural Policy, Trade, Economic Growth, and Development. 191 pp. May 1989. **Order # AGES 89-19. \$8.00.** Provides an overview of the salient domestic agricultural policies that have affected trade, development, and growth in Malawi, Kenya, Thailand, Malaysia, Ecuador, and Guatemala.

Exporting Processed Instead of Raw Agricultural Products, by Gerald Schluter and William Edmondson. 20 pp. November 1989. **Order # AGES 89-58. \$5.50.** Examines the national output, income, and employment effects for selected raw commodity/processed commodity combinations.

The Export Enhancement Program: How Has It Affected Wheat Exports? by Ann Seitzinger and Philip Paarlberg. 12 pp. December 1989. **Order # AIB-575. \$3.00.** Finds that the Export Enhancement Program raised U.S. wheat export volume, prices, and gross export revenues.

Structural Econometric Model of the World Wheat Market, by Kenneth W. Bailey. 63 pp. June 1989. **Order # TB-1763. \$8.00.** Presents an econometric model to assess the effect of changing global policies and other conditions on world wheat trade and changes in U.S. farm programs on the rest of the world and on U.S. export levels.

Evaluation of Export Enhancement, Dollar Depreciation, and Loan Rate Reduction for Wheat, by Stephen L. Haley. 32 pp. April 1989. **Order # AGES 89-6. \$5.50.** Finds that U.S. export enhancement bonuses may have increased the U.S. price of wheat between 7 and 22 percent, U.S. wheat export volume between 10 and 31 percent, and U.S. wheat export revenue between 18 and 61 percent.

Why Did U.S. Wheat Exports Expand? by Kenneth W. Bailey. 8 pp. May 1989. **Order # AIB-564. \$3.00.** Identifies factors that expanded recent wheat exports, finding that policy effectiveness changes as market conditions change.

Dockage and Foreign Material in the Grading Standards for Wheat Exports, by Stephanie A. Mercier. 23 pp. December 1989. **Order # AGES 89-68. \$8.00.** Focuses on economic effects that a new grading standard would have on wheat producers, handlers, and exporters.

U.S. Imports of Fruits and Vegetables Under Plant Quarantine Regulations, Fiscal Year 1987, by Joan Pearrow. 49 pp. January 1990. **Order # AGES 9009. \$8.00.** Summarizes imports of over 200 commodities by country of origin and port of entry during FY 1987.

The Specification, Estimation, and Simulation of a Small Global Macroeconomic Model, by James R. Malley. 24 pp. March 1990. **Order # AGES 9011. \$8.00.** Describes the structure and simulation properties of a small global macroeconomic model (SGM).

Measuring the Effectiveness of the Export Enhancement Program for Poultry, by Stephen L. Haley. 23 pp. March 1990. **Order # AGES 9016. \$8.00.** Examines the economic effects of the EEP for poultry meat for 1987.

U.S. Adjustment in the 1990's: A CGE Analysis of Alternative Trade Strategies, by Robert Hanson and others. 32 pp. May 1990. **Order # AGES 9031. \$8.00.** Investigates the implications for the structure of the U.S. economy of a reduction in the U.S. trade deficit.

Agricultural Export Programs: Background for 1990 Farm Legislation, by Karen Z. Ackerman and Mark E. Smith. 66 pp. May 1990. **Order # AGES 9033. \$11.00.** Summarizes the major export programs since World War II.

Agricultural Trade, Agreements, and Disputes in the Western Hemisphere, by Nicole Ballenger and others. 43 pp. June 1989. **Order # AGES 89-28. \$5.50.** Assesses major bilateral and multilateral arrangements guiding agricultural trade relations among Western Hemisphere countries.

How Level is the Playing Field? An Economic Analysis of Agricultural Policy Reforms in Industrial Market Economies, by Vernon Roningen. 39 pp. December 1989. **Order # AER-239. \$5.50.** Focuses on how levels of assistance to agriculture compare across countries and commodity markets; how assistance to agriculture in industrial market economies distorted world production and trade; and who would benefit from eliminating assistance to agriculture in industrial market economies.

Foreign Debt, Capital Formation, and Debtor Behavior, by Carlos Arnade and others. 32 pp. July 1989. **Order # TB-1767. \$5.50.** Finds that problem debtor countries, with over \$10 billion in external debt, used their borrowed funds to invest less and consume more than a comparable group of debtors without repayment problems.

Agricultural Trade Liberalization and Developing Countries, by Barry Krissoff and others. 46 pp. May 1990. **Order # AGES 9042. \$8.00.** Discusses some of the potential effects of agricultural trade liberalization on the economies of developing nations, featuring a static global agricultural net trade model that contains 36 countries or regions and 22 commodities.

Trade and Development: Impact of Foreign Aid on U.S. Agriculture, ed. by Gary Vocke. 69 pp. June 1990. **Order # AGES 9044. \$11.00.** This report reviews the role of the various types of foreign assistance and the international factors influencing their effectiveness in promoting economic development.

Incorporating Inputs in the Static World Policy Simulation Model (SWOPSIM), by Peter S. Liapis. 34 pp. June 1990. **Order # TB-1780. \$8.00.** Documents the methodology used to incorporate inputs in the trade liberalization models built with the Static World Policy Simulation Model.

Using Producer and Consumer Subsidy Equivalents in the SWOPSIM Modeling Framework, by Stephen L. Haley. 36 pp. March 1989. **Order # AGES 89-11. \$5.50.** A technical review of the use of PSE's and CSE's in statistical modeling of agricultural trade.

Exchange Rates and U.S. Agricultural Trade, by Mathew D. Shane. 12 pp. January 1990. **Order # AIB-585. \$4.00.** Finds that exchange rates are now the single most important variable in determining the economic environment for agricultural trade.

World Grain Stocks: Where They Are and How They Are Used, by Jerry A. Sharples and Jeanette Krutzfeldt. 16 pp. May 1990. **Order # AIB-594. \$4.00.** Examines policies and practices of main grain stockholding countries.

The Links Between Development and World Trade, by Thomas Vollrath. 12 pp. February 1990. **Order # TB-1774. \$4.00.** Determines which countries will be strong competitors or trade partners of the United States.

Estimates of Producer and Consumer Subsidy Equivalents: Government Intervention In Agriculture, 1982-87, by Alan J. Webb and others. 368 pp. April 1990. **Order # SB-803. \$14.00.** Reports estimates of producer and consumer subsidy equivalents for more than 40 commodities and products in 27 countries and the EC.

World Population by Country and Region, 1950-2050, by Francis Urban and Michael Trueblood. 76 pp. April 1990. **Order # AGES 9024. \$11.00.** Contains estimates of world population from 1950 to the late 1980's, depending on the latest country census, and projections to 2050.

Efficiency and Growth In Agriculture: A Comparative Study of the Soviet Union, United States, Canada, and Finland, by Robert B. Koopman. 48 pp. October 1989. **Order # AGES 89-54. \$5.50.** Shows that the slow pace of technological innovation is main reason for slow Soviet growth.

Economic Implications of Agricultural Policy Reforms In Industrial Market Economies, by Vernon O. Roningen and Praveen M. Dixit. 73 pp. August 1989. **Order # AGES 89-36. \$8.00.** Uses an 11-region, 22-commodity world net trade model to study the economic implications of farm policy reform in industrial market economies.

EC 1992: Perspectives on Agriculture, ed. by Walt Gardiner and David R. Kelch. 46 pp. May 1990. **Order # AGES 9043. \$8.00.** Contains five papers presented at a symposium during the 1989 annual meeting of the American Agricultural Economics Association in Baton Rouge, LA.

Agricultural Statistics of the European Community, 1960-85, Michael Herlihy and others. 123 pp. January 1989. **Order # SB-770. \$8.00.** Presents a comprehensive database on the agricultural sector of the European Community.

High-Value Products: Growing U.S. and EC Competition In World Markets, by Ruth Elleson. 34 pp. April 1990. **Order # AGES 9022. \$8.00.** Compares U.S. and EC export shares during 1970-87, showing that the EC, the world's leading exporter of high-value products, has successfully competed against the United States for a number of leading processed products.

The Effects of the Common Agricultural Policy on the European Community Wheat-Washing Industry and Grain Trade, by Dale J. Leuck. 26 pp. April 1990. **Order # AGES 9023. \$8.00.** Looks at the EC wheat-washing industry, which separates wheat flour into wheat gluten and wheat starch.

Estimation and Evaluation of Economic Community Wheat Export Subsidies, by Peter S. Liapis. 33 pp.

November 1989. **Order # AGES 89-55. \$5.50.** Examines the relationship between the EC export subsidies and U.S. wheat export prices.

Agricultural Statistics of Eastern Europe and the Soviet Union, 1965-85, by Nancy J. Cochrane. 129 pp. July 1989. **Order # SB-778. \$8.00.** Contains 110 tables with data on land use, farm structure, population, farm machinery, crop and livestock production, and more.

Agricultural Performance In Eastern Europe, 1988, by Nancy J. Cochrane and Miles J. Lambert. 27 pp. August 1989. **Order # AGES 89-38. \$5.50.** Finds that farm output in Eastern Europe stagnated in 1988, but agricultural trade balances improved in most countries.

U.S. Agricultural Trade with the Developed Pacific Rim, 1968-88, by Wilma Davis and others. 80 pp. May 1990. **Order # AGES 9035. \$11.00.** This statistical compendium presents data on U.S. agricultural exports and imports with the developed Pacific Rim countries.

Effects of Imports on the Puerto Rican Livestock-Meat Industry, by Lawrence A. Duewer and others. 60 pp. March 1989. **Order # AER-605. \$5.50.** Examines the Puerto Rican beef industry and discusses possible policy alternatives for addressing the industry's problems.

Government Intervention In the Mexican Crop Sector, by Myles J. Mielke. 20 pp. September 1989. **Order # AGES 89-40. \$5.50.** Models a 50-percent reduction in Mexico's producer price subsidies over 5 years to simulate a gradual lessening of government intervention, a likely result of current GATT negotiations.

Peru: An Export Market Profile, by H. Christine Bolling. 74 pp. December 1989. **Order # AGES 89-53. \$8.00.** Identifies Peru as a potentially limited commercial market for U.S. farm commodities in the current economic climate.

Agricultural Trade Between Asia/Near East Countries and the United States, 1962-86, by Daniel Timms and Mathew Shane. 139 pp. January 1989. **Order # SB-774. \$8.00.** Quantifies the bilateral trade between 21 Asian and the Near East countries and the United States for 1962-86.

Competition In East Asia's Agricultural Import Market, by J. Albert Evans. 37 pp. May 1990. **Order # AGES 9040. \$8.00.** Examines trends in agricultural imports in the four East Asian countries for 1962-86, using a market share approach to assess the competitive position of the United States and other major exporters.

Government Intervention In Pakistan's Cotton Sector, by Gary Ender. 53 pp. June 1990. **Order # AGES 9041. \$8.00.** Examines the cotton sector in Pakistan, detailing the technical and economic factors underlying recent trends in area, yield, and production.

Government intervention in Pakistan's Agricultural Economy, by Gary Ender. 28 pp. April 1990. **Order # AGES 9027. \$8.00.** Uses producer and consumer subsidy equivalents to examine the nature of the Pakistani Government's interventions in the agricultural sector.

Export Performance in Africa, by Shahla Shapouri and Stacey Rosen. 40 pp. May 1989. **Order # AGES 89-16. \$5.50.** Focuses on Africa's export sector as the key to its economic recovery.

Consumption Stability and the Potential Role of Food Aid in Africa, by Stacey Rosen. 15 pp. June 1989. **Order # AGES 89-29. \$5.50.** Reports model projections for additional food aid needs in Africa in 1990 and 1995 for good and bad weather scenarios.

Soil and Water Management in West Africa: An Economic Analysis, by John C. Day. 10 pp. September 1989. **Order # AGES 89-35. \$3.00.** Uses soil-water balance relationships and a whole-farm modeling approach to estimate conservation benefits on a typical farm in Mali.

Technology and Agricultural Productivity in the Sahel, by Thomas S. Hayne and others. 27 pp. October 1989. **Order # AER-612. \$5.50.** Focuses on factors that have slowed technology transfer in the Sahel and identifies conditions necessary for transfer to occur more rapidly.

Thailand's Feed and Livestock Industry to the Year 2000, by Sara J. Schwartz and Douglas H. Brooks. 84 pp. March 1990. **Order # FAER-242. \$11.00.** Projects rice and poultry exports to the year 2000 under three scenarios of per capita income growth.

Reducing Support Using Aggregate Measures, Case Study: Thailand, by Douglas H. Brooks. 24 pp. July 1989. **Order # AGES 89-30. \$5.50.** Finds that Thailand's government support can be reduced by charging for irrigation and reimposing export taxes.

Targeting Australian Agricultural Policies for Trade Liberalization, by B.G. Johnston. 17 pp. July 1990. **Order # AGES 9050. \$8.00.** Reviews the levels of assistance in Australia's agricultural sector during the 1980's and discusses how the recent reform initiatives have reduced them.

Economywide Implications of Agricultural Liberalization in the United States, by Maureen Kilkenney and Sherman Robinson. 16 pp. January 1990. **Order # AGES 9008. \$4.00.** Uses a 10-sector computable general equilibrium model to show how unilateral and multilateral changes in agricultural policy will affect the overall economy.

Elasticities in the Trade Liberalization Database, by Walter H. Gardiner and others. 72 pp. May 1989. **Order #**

AGES 89-20. \$8.00. From various sources, compiles the elasticities of supply and demand available in the Trade Liberalization database.

Price Transmission Elasticities in the Trade Liberalization (TLIB) Database, by John Sullivan. 22 pp. April 1990. **Order # AGES 9034. \$8.00.** Documents price transmission elasticities available in ERS' TLIB database.

A Database for Trade Liberalization Studies, by John Sullivan and others. 160 pp. March 1989. **Order # AGES 89-12. \$8.00.** Presents a global database for 22 commodities and 36 regions of the world.

GATT Trade Liberalization: The U.S. Proposal. 12 pp. March 1990. **Order # AIB-596. \$4.00.** Looks at the U.S. GATT proposal, which if implemented would raise world market prices, lower taxpayer costs, and in some key countries, significantly lower consumer prices.

Bibliography of Research Supporting the Uruguay Round of the GATT. 20 pp. December 1989. **Order # AGES 89-64. \$5.50.** Lists ERS research that might be useful in evaluating proposals for policy change now under negotiation at the GATT.

A Short History of U.S. Agricultural Trade Negotiations, by Jane M. Porter and Douglas E. Bowers. 12 pp. August 1989. **Order # AGES 89-23. \$5.50.** Summarizes U.S. farm trade negotiations from the beginnings of the GATT in 1947.

Resource Policy Subsidies and the GATT Negotiations, by John D. Sutton. 19 pp. August 1989. **Order # AER-616. \$5.50.** Looks at explicit and implicit producer subsidies for specific policies of major trading countries.

Subsidy Equivalents: Yardsticks of Government Intervention in Agriculture for the GATT, by Carl Mabbs-Zeno and Arthur Dommen. 9 pp. January 1989. **Order # AIB-558. \$3.00.** Discusses aggregate measures of support, such as producer and consumer subsidy equivalents, which may help negotiators of a new GATT attain common ground for reducing barriers to international trade.

GATT & Agriculture: The Concepts of PSE's and CSE's. 23 pp. April 1989. **Order # MP-1468. \$5.50.** This illustrated booklet explains two measures of government intervention in agriculture: production subsidy equivalents and consumer subsidy equivalents.

Government Intervention in Agriculture: A Regulatory Approach, by David W. Skully. 32 pp. May 1990. **Order # AGES 9039. \$8.00.** Examines the behavior of public agents creating and administering policies to transfer rent among domestic economic interest groups.

Global Commodity Reports

The following reports describe global commodity markets and policies, evaluate consequences of Government intervention in agricultural markets, and discuss the implications of global policy reform. The reports are trade-focused companion volumes to the commodity background papers described on page 2.

The World Wheat Market—Government Intervention and Multilateral Policy Reform, by Joy L. Harwood and Kenneth W. Bailey. 113 pp. January 1990. Order # AGES 9007. \$11.00.

The World Poultry Market—Government Intervention and Multilateral Policy Reform, by Robert V. Bishop and others. 52 pp. March 1990. Order # AGES 9019. \$11.00.

The World Coarse Grain Market—Government Intervention and Multilateral Policy Reform, by Bengt Hyberg and others. 101 pp. February 1990. Order # AGES 9017. \$11.00.

The World Pork Market—Government Intervention and Multilateral Policy Reform, by Shayle D. Shagam. 66 pp. April 1990. Order # AGES 9025. \$11.00.

The World Tobacco Market—Government Intervention and Multilateral Policy Reform, by Verner N. Grise. 65 pp. February 1990. Order # AGES 9014. \$11.00.

World Oilseed Markets—Government Intervention and Multilateral Policy Reform, by Thomas W. Bickerton and Joseph W. Glauber. 82 pp. March 1990. Order # AGES 9021. \$11.00.

NASS Reports

Farms and Land In Farms: Final Estimates, 1979-87. 8 pp. February 1990. Order # SB-792. \$4.00.

Field Crops: Final Estimates, 1982-87. 84 pp. February 1990. Order # SB-793. \$11.00.

Stocks of Grains, Oilseeds and Hay: Final Estimates, 1983-88. 72 pp. February 1990. Order # SB-794. \$11.00.

Rice Stocks: Final Estimates, 1978-88. 32 pp. February 1990. Order # SB-795. \$8.00.

Citrus Fruits: Final Estimates, 1981-82 Crop Through 1986-87 Crop. 24 pp. February 1990. Order # SB-796. \$8.00.

Hogs and Pigs: Final Estimates, 1983-87. 32 pp. February 1990. Order # SB-797. \$8.00.

Cattle: Final Estimates, 1984-88. 68 pp. February 1990. Order # SB-798. \$11.00.

Potatoes and Sweetpotatoes: Final Estimates, 1982-87. 42 pp. February 1990. Order # SB-799. \$8.00.

Sheep and Goats: Final Estimates, 1984-88. 25 pp. January 1990. Order # SB-800. \$8.00.

Chickens and Eggs: Final Estimates, 1984-87. 73 pp. December 1989. Order # SB-801. \$11.00.

Milk: Final Estimates, 1983-87. 64 pp. February 1990. Order # SB-802. \$11.00.

Meat Animals, Production, Disposition, and Income: Final Estimates, 1983-87. 37 pp. April 1990. Order # SB-805. \$8.00.

Poultry Production and Value: Final Estimates, 1984-87. 25 pp. April 1990. Order # SB-806. \$8.00.

1988 Farm Costs and Returns Survey Data: Selected State and Region Highlights. 151 pp. February 1990. Order # AGES 9012. \$11.00. A collection of 34 reports highlighting 1988 data compiled from the annual Farm Costs and Returns Survey.

Other

1990 Agricultural Chartbook. 120 pp. April 1990. Order AH-689. \$11.00. Contains more than 300 charts covering a wide range of subjects, ranging from U.S. exports to foreign farm output, broilers to vegetables, food prices to consumption trends, and more.

Testing for the Impact of Inflation on Import Demand Functions, by Carlos Arnade and Praveen Dixit. 20 pp. January 1989. Order # AGES 89-3. \$5.50. Suggests that inflation does influence importers' demand, contrary to standard assumptions.

Data, Linkages, and Models: U.S. National Income and Product Accounts in the Framework of a Social Accounting Matrix, by Kenneth A. Hanson and Sherman Robinson. 38 pp. January 1989. Order # AGES 89-5. \$5.50. Discusses the use of a social accounting matrix which reflects an action/transaction view of the economy and supports disaggregated modeling.

A Simple Empirical Model of Macroeconomic Effects on Agriculture: An Asset Market Approach, by John Kitchen. 20 pp. May 1989. Order # AGES 89-21. \$5.50. Shows effects of alternative monetary and agricultural situations on farm prices, cash receipts, and land values.

Asymmetric Price Interactions in Pork and Beef Markets, by William F. Hahn. 22 pp. December 1989. Order # TB-1769. \$5.50. The model in this report shows that pork and beef prices tend to increase faster than they decrease.

Capital Accumulation and Asset Pricing in U.S. Agriculture, by Utpal Vasavada and Agapi Somwaru. 20 pp. February 1990. Order # TB-1771. \$4.00. Investigates the relationship between asset prices and asset returns for U.S. agriculture over 1931-86.

Regional Trends and Spatial Characteristics of U.S. Supply and Demand for Farm Output, by J.R. Bacon and others. 48 pp. June 1989. **Order # AGES 89-25. \$5.50.** Analyzes the regional trends of U.S. food and nonfood production and consumption over the past 35 years.

The USDA/ERS Computable General Equilibrium (CGE) Model of the United States, by Sherman Robinson and others. 78 pp. June 1990. **Order # AGES 9049. \$11.00.** Documents the basic Computable General Equilibrium model of the U.S. economy developed by ERS.

Alternative Opportunities in Agriculture: Expanding Output Diversification, by Michael R. Dicks and Katharine C. Buckley. 28 pp. May 1990. **Order # AER-633. \$8.00.** Finds that developing new crops or products could raise farm income and reduce government subsidies, the trade deficit, and the potentially adverse environmental effect of farm production.

Major Statistical Series

Now available from ERS-NASS: the 12-volume set of Major Statistical Series of the U.S. Department of Agriculture, all for the low price of \$25. Each volume describes the concepts and data underlying a specific USDA statistical series. Order # AH-671-MSS.

Vol. 1: Agricultural Prices, Expenditures, Farm Employment, and Wages. 32 pp.

Vol. 2: Agricultural Production and Efficiency. 44 pp.

Vol. 3: Farm Income. 45 pp.

Vol. 4: Agricultural Marketing Costs and Charges. 35 pp.

Vol. 5: Consumption and Utilization of Agricultural Products. 44 pp.

Vol. 6: Land Values and Land Use. 19 pp.

Vol. 7: Crop and Livestock Estimates. 28 pp.

Vol. 8: Farmer Cooperatives. 16 pp.

Vol. 9: Market News. 44 pp.

Vol. 10: International Agricultural Statistics. 21 pp.

Vol. 11: The Balance Sheet. 20 pp.

Vol. 12: Costs of Production. 15 pp.

Specials

Save by ordering both of the following publications for just \$25.

Outlook '90 Chartbook. Includes more than 150 selected charts used by speakers at the 1990 Outlook Conference. **Order # AGES 9001. \$8.00.**

Outlook '90 Proceedings. Includes all texts submitted by speakers and panelists at the 1990 Outlook Conference. **Order # AGES 9002. \$20.00.**

NASS Periodicals

Order the following NASS periodicals by calling toll-free 1-800-999-6779, or use the order form on page 19.

Crop Production. Lists monthly indicated production by crop, plus three supplements on acreage planted and harvested (June), an annual summary showing acreage, yield, and production data for the previous year and revised for the year before that (January), and prospective plantings as of March 1 (March). 12 issues plus 3 supplements. **Order # PCP.** 1 yr, \$30; 2 yrs, \$57; 3 yrs, \$82.

Crop Progress. Lists planting, fruiting, and harvesting progress and overall condition of selected crops in major producing States. Weekly during the growing season, April through November. **Order # PCR.** 1 yr, \$25; 2 yrs, \$47; 3 yrs, \$67.

Grain Stocks. Stocks of major grains January, March, June, and September. 4 issues. **Order # PGS.** 1 yr, \$11; 2 yrs, \$19; 3 yrs, \$25.

Peanut Stocks and Processing. Stocks end of previous month, plus millings, production, and disappearance of milled products. 12 issues. **Order # PPS.** 1 yr, \$14; 2 yrs, \$25; 3 yrs, \$34.

Potato Stocks. Grower, processor, and local dealer storage stocks in fall producing areas, first of the month, by State. 6 issues plus supplement. **Order # PPO.** 1 yr, \$14; 2 yrs, \$25; 3 yrs, \$34.

Rice Stocks. Rough and milled rice stocks on and off farms, first of December, March, August, and October by State. 4 issues. **Order # PRS.** 1 yr, \$11; 2 yrs, \$19; 3 yrs, \$25.

Hop Stocks. Grower, dealer, and brewer stocks March 1 and September 1 for the United States. **Order # PHS.** 1 yr, \$8; 2 yrs, \$13; 3 yrs, \$16.

Celery. Monthly plantings and area growing in Florida, California, New York, and Michigan. 12 issues. **Order # PCE.** 1 yr, \$12; 2 yrs, \$21; 3 yrs, \$28.

Cherry Production. Mid-June production forecast for 1990 crop, Great Lakes States. Annual, June. **Order # ZCP.** 1 yr, \$5; 2 yrs, \$8; 3 yrs, \$12.

Citrus Fruits. Summary of acreage, yield, production, use, monthly sales by type, price, and value 1989-90 crop and revised 1988-89 crop. Annual, September. **Order # ZCF.** 1 yr, \$5; 2 yrs, \$8; 3 yrs, \$12.

Cranberries. Indicated 1990 production by State; utilization, price, and value for 1988 and 1989 crops, by State. Annual, August. **Order # ZCR.** 1 yr, \$5; 2 yrs, \$8; 3 yrs, \$12.

Hazelnuts (Filberts). Mid-August production forecast for 1990 crop. Annual, August. **Order # ZFP.** 1 yr, \$5; 2 yrs, \$8; 3 yrs, \$12.

Noncitrus Fruits and Nuts. Mid-year and annual summary of acreage, yield, production, use, price, and value of crop, by State. 2 issues. **Order # PNF.** 1 yr, \$12; 2 yrs, \$21; 3 yrs, \$28.

Walnut Production. Production forecast for California walnuts. Annual, September. **Order # ZWP.** 1 yr, \$5; 2 yrs, \$8; 3 yrs, \$12.

Vegetables. Monthly production forecasts, preliminary planted area, yield, production, and prices. 12 issues plus preliminary and annual summaries. **Order # PVG.** 1 yr, \$17; 2 yrs, \$31; 3 yrs, \$43.

Cattle. Inventory number and value of all cattle and calves, number by classes, expected calf crop, distribution by size groups and State. 2 issues, plus 12 monthly issues of *Cattle on Feed*. **Order # PCT.** 1 yr, \$20; 2 yrs, \$37; 3 yrs, \$52.

Hogs and Pigs. Inventory and value and number by classes, farrowings and pig crop, breeding intentions, number of operations keeping hogs, and percent of hog operations by size groups. 4 issues. **Order # PHP.** 1 yr, \$11; 2 yrs, \$19; 3 yrs, \$25.

Livestock Slaughter. Number of head and live weight of cattle, calves, sheep and lambs, and hogs slaughtered in commercial plants, by States. Red meat production by species and lard production. 12 issues plus summary. **Order # PLS.** 1 yr, \$24; 2 yrs, \$45; 3 yrs, \$64.

Meat Animals: Production, Disposition, and Income. Estimates of cattle, calves, hogs, and sheep and lambs, by State. Annual, April. **Order # ZMA.** 1 yr, \$5; 2 yrs, \$8; 3 yrs, \$12.

Sheep and Goats. Inventory, value, and number, by State. January 1 angora goat inventory and value for Arizona, Michigan, New Mexico, Oklahoma, and Texas only. All goat inventory and value for Texas only. Lamb crop by State. Number of operations keeping sheep. Annual, February. **Order # ZSG.** 1 yr, \$5; 2 yrs, \$8; 3 yrs, \$12.

Wool and Mohair. Number of sheep shorn, wool production, price, and value, by State. Number of goats clipped, mohair production, and value for Arizona, Michigan, New Mexico, Oklahoma, and Texas. Annual, March. **Order # ZWM.** 1 yr, \$5; 2 yrs, \$8; 3 yrs, \$12.

Egg Products. Production of liquid, frozen, and dried egg products, under Federal inspection, by class and utilization. 12 issues. **Order # PEP.** 1 yr, \$15; 2 yrs, \$27; 3 yrs, \$37.

Eggs, Chickens, and Turkeys. Number of layers, eggs per 100 layers, total eggs produced, broiler and egg-type chicks hatched, and number of eggs in incubators; number of turkey poultts placed; number of broiler-type pullet chicks. 12 issues, plus copies of *Hatchery Production* annual, *Layers and Egg Production* annual, *Poultry Production and Value*, and *Turkeys*. **Order # PEC.** 1 yr, \$24; 2 yrs, \$45; 3 yrs, \$64.

Turkey Hatchery. Number of poultts, number of eggs in incubators. 12 issues. **Order # PTH.** 1 yr, \$14; 2 yrs, \$25; 3 yrs, \$34.

Poultry Slaughter. Number of head and pounds slaughtered under Federal inspection by class, and estimated total poultry slaughtered. 12 issues. **Order # PPY.** 1 yr, \$14; 2 yrs, \$25; 3 yrs, \$34.

Dairy Products. Production of butter, cheese, frozen products, evaporated, condensed, and dry milk and whey products. Shipments, stocks, and prices of dry milk and whey products. 12 issues plus summary. **Order # PDP.** 1 yr, \$20; 2 yrs, \$37; 3 yrs, \$52.

Milk Production. Number of milk cows, production per cow, and total milk production for major States. 12 issues plus copy of *Milk Production, Disposition, and Income*. **Order # PMP.** 1 yr, \$16; 2 yrs, \$29; 3 yrs, \$40.

Agricultural Prices. Prices received by farmers for principal crops; livestock and livestock products; index numbers of prices received by farmers; feed price ratios; index of prices paid by farmers and parity prices. 12 issues. **Order # PAP.** 1 yr, \$24; 2 yrs, \$45; 3 yrs, \$64.

Agricultural Prices Annual Summary. Summary of indexes of prices received and paid by farmers; prices for farm commodities and prices paid for production items, by State. Annual, June. **Order # ZAP.** 1 yr, \$8; 2 yrs, \$14; 3 yrs, \$21.

Crop Values. Season average prices and value of production of principal crops, including revised data for previous year. Note: State estimates for fruits and nuts included in *Noncitrus Fruits and Nuts Annual*. Annual, January. **Order # ZCV.** 1 yr, \$6; 2 yrs, \$10; 3 yrs, \$15.

Farm Production Expenditures. Results of the farm production expenditure survey, by production region and economic class. 2 issues. **Order # PFP.** 1 yr, \$12; 2 yrs, \$21; 3 yrs, \$28.

Prices Received, Minnesota-Wisconsin Manufacturing Grade Milk. Minnesota-Wisconsin grade milk price series and final two-State estimates. Annual, June. **Order # ZPR.** 1 yr, \$5; 2 yrs, \$8; 3 yrs, \$12.

Capacity of Refrigerated Warehouses. Number of firms and capacity for national, State, and city totals, by public and private for general and apple storage. **NOTE:** Issued

in February in even years only. **Order # ZCW.** 1 yr, \$5; 2 yrs, \$8; 3 yrs, \$12.

Catfish. Processors' monthly reports on farm-raised catfish. Roundweight purchased, prices paid, inventory, quantity sold, and price. 12 issues plus 2 issues of *Catfish Production* (includes grower inventory numbers by size groups, and some sales and cost of production data). **Order # PCF.** 1 yr, \$15; 2 yrs, \$27; 3 yrs, \$37.

Cold Storage. End-of-month stocks of meat, dairy and poultry products, fruits, nuts, and vegetables. 12 issues plus summary. **Order # PCS.** 1 yr, \$20; 2 yrs, \$37; 3 yrs, \$52.

Farm Numbers and Land in Farms. Number of farms in operation, and average size (acreage) of farms, individual States and U.S. totals. Sales class estimates for number of farms, land in farms, and average size of farms for U.S. and selected States. Annual, July. **Order # ZFL.** 1 yr, \$5; 2 yrs, \$8; 3 yrs, \$12.

Farm Labor. Regional and national data for unpaid, hired, and self-employed workers and wage rates. Annual average wage rates for hired workers are published in November. 4 issues. **Order # PFL.** 1 yr, \$11; 2 yrs, \$19; 3 yrs, \$25.

Floriculture Crops. Area of production and sales of cut flowers, flowering potted plants, foliage, bedding/garden plants, cut cultivated greens, and special Hawaiian crops. Annual, April. **Order # ZCW.** 1 yr, \$7.50; 2 yrs, \$13; 3 yrs, \$19.50.

Honey. Annual report of number of colonies of bees, honey, production, price, and value, and honey stocks as of December 15, by States. Annual, February. **Order # ZHO.** 1 yr, \$5; 2 yrs, \$8; 3 yrs, \$12.

Mink. Number of mink pelts produced during the marketing year, number of females bred to produce pelts, number of mink farms, average marketing price per pelt, and value of pelts produced. Annual, July. **Order # ZMI.** 1 yr, \$5; 2 yrs, \$8; 3 yrs, \$12.

Mushrooms. Area, production, price, and value, by variety, all producing States, utilization, and intentions for coming year. Annual, August. **Order # ZMU.** 1 yr, \$6; 2 yrs, \$10; 3 yrs, \$15.

Sugar Market Statistics. Supply, distribution, and stocks of cane and beet sugar. 4 issues. **Order # PSM.** 1 yr, \$11; 2 yrs, \$19; 3 yrs, \$25.

Trout Production. Grower sales and cost of production for selected States. Annual, September. **Order # ZTP.** 1 yr, \$6; 2 yrs, \$10; 3 yrs, \$15.

ERS Periodicals

These periodicals bring you the latest information on food, the farm, and rural America to help keep your expertise up-to-date. Use the order form on page 19, or call toll-free 1-800-999-6779.

Agricultural Outlook. The main source for USDA's farm income and food price forecasts. Emphasizes the short-term outlook for all major areas of the agricultural economy. Also presents long-term analyses of such issues as U.S. agricultural policy, trade forecasts and export-market development, food safety, and the environment. 11 issues. **Order # AGO.** 1 yr, \$26 ; 2 yrs, \$51; 3 yrs, \$75.

Farmline. Practical, easy-to-understand economic information about U.S. and world agriculture. A popular—not technical—publication, it features many charts, graphs, photos, and data tables to supplement the articles. 11 issues. **Order # FAR.** 1 yr, \$12; 2 yrs, \$23; 3 yrs, \$33.

National Food Review. Analyses and data on food consumption, food prices, export opportunities, product safety, nutrition, marketing, and processing technology. 4 issues. **Order # NFR.** 1 yr, \$11; 2 yrs, \$21; 3 yrs, \$30.

Economic Indicators of the Farm Sector. Updates economic trends in U.S. agriculture. Explores the economic status of the farm sector and allows the reader to plan and forecast more accurately. Each issue explores a different aspect of the U.S. farm sector. 5 issues. **Order # ECI.** 1 yr, \$14; 2 yrs, \$27; 3 yrs, \$39.

Foreign Agricultural Trade of the United States. Updates the quantity and value of U.S. farm exports and imports, plus price trends. Keeps readers abreast of how U.S. trade stacks up in a global market. 6 issues, plus 2 supplements. **Order # FAT.** 1 yr, \$25; 2 yrs, \$49; 3 yrs, \$72.

The Journal of Agricultural Economics Research. Technical research in agricultural economics, including econometric models and statistics focusing on methods employed and results of USDA economic research. 4 issues. **Order # JAE.** 1 yr, \$8; 2 yrs, \$15; 3 yrs, \$21.

Rural Development Perspectives. Crisp, nontechnical articles on the results of new rural research and what those results mean. Shows the practical application of research in rural banking, aging, housing, the nonmetro labor force, poverty, and the effect of farm policies on rural areas. 3 issues. **Order # RDP.** 1 yr, \$9; 2 yrs, \$17; 3 yrs, \$24.

Rural Conditions and Trends. NEW. Track rural events on a variety of subjects in this new quarterly periodical: macroeconomic conditions, employment and underemployment, industrial structure, earnings and income, poverty, and population. 4 issues. **Order # RCA.** 1 yr, \$14; 2 yrs, \$27; 3 yrs, \$39.

Situation and Outlook Reports. Provide both current intelligence and historical data on national food and agricultural developments, and forecast the effects of changing conditions and policies on domestic and international agriculture. Titles include:

Title & Issues per year	Order #	yr	2 yrs	3 yrs
Agricultural Exports (4)	AES	\$12	\$23	\$33
Agricultural Income and Finance (4)	AIS	\$12	\$23	\$33
Agricultural Resources (5)	ARS	\$12	\$23	\$33
Agriculture and Trade (5)	WRS	\$12	\$23	\$33
Aquaculture (2)	AQS	\$12	\$23	\$33
Cotton and Wool (4)	CWS	\$12	\$23	\$33
Dairy (5)	DRS	\$12	\$23	\$33
Feed (4)	FDS	\$12	\$23	\$33
Fruit and Tree Nuts (4)	FTS	\$12	\$23	\$33
Livestock and Poultry (6 plus supplements)	LPS	\$17	\$33	\$48
Livestock and Poultry Update (12)	LPU	\$15	\$29	\$42
Oil Crops (4)	OCS	\$12	\$23	\$33
Rice (3)	RCS	\$12	\$23	\$33
Sugar and Sweetener (4)	SSS	\$12	\$23	\$33
Tobacco (4)	TBS	\$12	\$23	\$33
U.S. Agricultural Trade Update (12)	FAU	\$15	\$29	\$42
Vegetables and Specialties (3)	VGS	\$12	\$23	\$33
Wheat (4)	WHS	\$12	\$23	\$33

Order Form

Order periodicals on other side

Monographs

[illegible]

- ☐ Check here for a *free* subscription to Reports catalog.
It's designed to keep you up-to-date on the latest reports
USDA's economics agencies.

Subtotal (please add to total on other side of order form)

Prices good through 12/90

For fastest service, call toll free, 1-800-999-6779
(in the United States and Canada;
other areas please phone 301-725-7937)

Please complete both sides of this order form

Order Form

Order monographs on other side

Periodicals

Order #	Catalog page #	Title	Number of years	Subscription price

Periodical subtotal	
Monograph subtotal (from other side)	
Add 25 % for shipment to foreign addresses (Includes Canada)	
Order total	

- Use purchase orders, checks drawn on U.S. banks, cashier's checks, or international money orders.
- Make payable to ERS-NASS

Mail to: ERS-NASS
P.O. Box 1608
Rockville, MD
20849-1608

Name _____

Organization _____

Address _____

City, State, Zip _____

Payment method:

☐ Bill me. ☐ Enclosed is \$ _____. Daytime phone _____

Credit card orders:

☐ MasterCard ☐ Visa Total charges \$ _____

Month / Year

Credit card number:

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Expiration date:

--	--

Please complete both sides of this order form